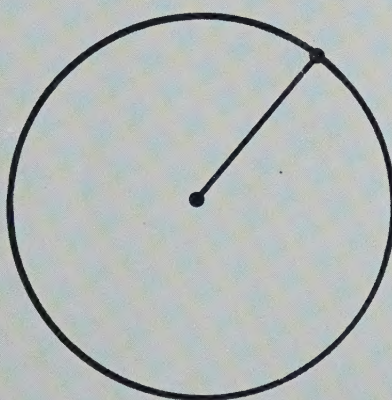


starting points in mathematics 4

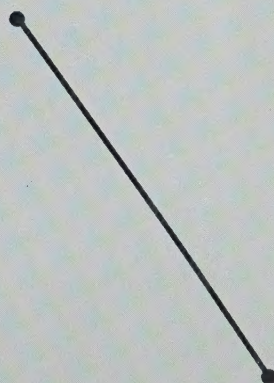
tests with answer keys

From the list, choose the one idea
best matches each picture.

1.

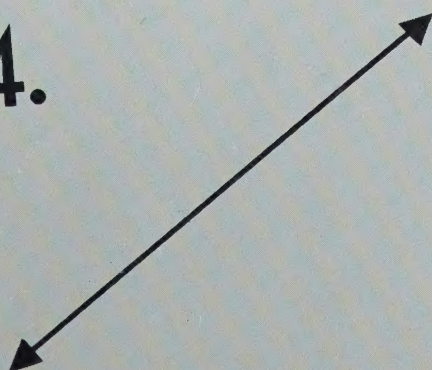


2.

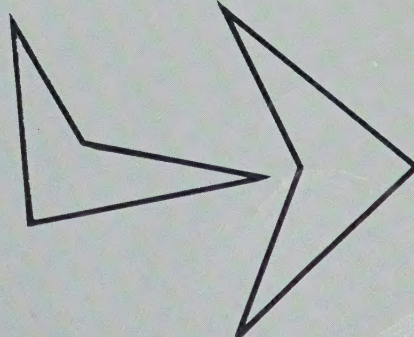


3.

4.



5.



6.

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Tests with Answer Keys for

starting points
in mathematics

Level 4

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ISBN: 0-7702-0509-7

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Printed in Canada



To the Teacher

This book is designed for use with *Starting Points in Mathematics 4 Revised*.

Pretest

This test may be given at the beginning of the school year to identify topics presented in the text that do not need to be studied by some students.

For each student, examine the error pattern for each topic.

Addition/Subtraction Exercises 4 to 15
Students who receive less than perfect scores should be taught the addition and subtraction units, Unit 2 and Unit 3. Students who receive perfect scores should work on appropriate enrichment and problem-solving tasks with review of addition and subtraction while the others work in Unit 2 and Unit 3.

Multiplication Exercises 16 to 18

Division Exercises 19 to 21

Numeration/Decimals/Fractions Exercises 1 to 3,
22 to 27

Measurement Exercises 28 to 36

Geometry Exercises 37 to 48

Word Problems Exercises 49 to 51

All students should be taught the related units. Students who receive perfect scores on any topic may act as assistants and be allowed to spend more time on related enrichment and problem-solving activities.

Unit Tests

There are two tests presented for each unit in the student text. *Test A* is parallel in structure to the *Checking Up* in the student text. *Test B* is a multiple-choice test.

Upon completion of a unit, you have the option of using one of *Checking Up*, *Test A*, *Test B*, or your own test as a final review, and another as a test.

For each student, examine the error pattern. Compare it with the page reference given in parentheses on the answer key. When a student exhibits two or more errors for material related to any particular page, he or she should be provided with the corresponding workbook section or reteaching master.

Year-End Test

This test may be given at the end of the school year to evaluate student performance on mathematics skills presented during the year.

For each student, examine the error pattern for each topic.

Numeration/Decimals/Fractions Exercises 1 to 15
Addition Exercises 16, 20, 22,
26, 28, 32

Subtraction Exercises 17, 21, 24,
27, 31, 33

Multiplication Exercises 18, 23, 30

Division Exercises 19, 25, 29

Measurement Exercises 34 to 42

Geometry Exercises 43 to 60

Word Problems Exercises 61 to 66

If a student has errors in either addition, subtraction, or multiplication, he or she may not have yet mastered the operation. Errors in division are less significant as the division operation will be thoroughly developed in *Starting Points in Mathematics 5*. Results of the year-end test should be kept in the student's file for the grade 5 teacher.

Answer Key

The tests are designed for students to show their answers on the right of the test page. This is to facilitate marking using the answer key. For exercises involving calculations, have the students do their work at the end of the test or on another page. Instruct students to transfer their final answers to the spaces at the right.

To mark a test, place the student's test beside the appropriate answer key so that the student's responses align with the answers shown on the key. Compare each student response with the answer. Assign a mark to each correct response. Use the conversion chart to convert the student's total marks out of the total possible marks to a percent.

MARK

[illegible]

MARK		43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84																																MARK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Contents

To the Teacher	3
Conversion Chart.....	4
Answer Key.....	7
Pretest	15
Unit 1 Test A	22
Unit 1 Test B	23
Unit 2 Test A	28
Unit 2 Test B	29
Unit 3 Test A	31
Unit 3 Test B	32
Unit 4 Test A	34
Unit 4 Test B	35
Unit 5 Test A	41
Unit 5 Test B	42
Unit 6 Test A	44
Unit 6 Test B	45
Unit 7 Test A	47
Unit 7 Test B	48
Unit 8 Test A	52
Unit 8 Test B	53
Unit 9 Test A	58
Unit 9 Test B	59
Unit 10 Test A	64
Unit 10 Test B	65
Unit 11 Test A	67
Unit 11 Test B	68
Unit 12 Test A	70
Unit 12 Test B	71
Unit 13 Test A	75
Unit 13 Test B	76
Year-End Test.....	78



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PRETEST

1. c
2. d
3. a
4. b
5. d
6. c
7. a
8. d
9. a
10. a
11. b
12. c
13. c
14. a
15. a
16. c
17. b
18. d
19. b
20. d
21. c
22. c
23. d
24. c
25. c
26. d
27. a
28. d
29. a
30. b
31. a
32. a
33. c
34. a
35. b
36. b
37. a

38. b
39. c
40. c
41. b
42. a
43. a
44. c
45. b
46. a
47. b
48. d
49. d
50. d
51. c

UNIT 1 TEST A

1. 0 tens (6)
2. 4 ten (18)
thousands
3. 316 028 (18)
4. 4901 (6)
5. 83 950 (18)
6. 74 (22)
7. 20 000 + (18)
100 + 70 + 3
8. 6000 + 10 (8)
+ 6
9. ten (18)
thousand
forty
10. two (18)
hundred
eight
thousand
11. < (12)
12. < (20)
13. 99 900 (20)
99 099
90 990
14. 14 580 (14)
15. 14 500 (14)
16. 14 000 (14)
17. 51st (16)
18. $\frac{3}{4}$ (24)
19. $1\frac{2}{5}$ (24)
20. $\frac{3}{10}$ (26)

UNIT 1 TEST B

1. d (18)
2. d (18)
3. c (18)
4. a (18)
5. a (20)
6. b (20)
7. b (14)
8. b (16)
9. c (24)
10. b (26)
11. b (28)
12. b (18)
13. c (18)
14. a (20)
15. d (16)
16. a (26)
17. b (18)
18. d (18)
19. c (20)
20. b (14)
21. b (24)
22. d (28)
23. a (18)
24. a (18)
25. d (14)
26. a (26)
27. c (22)
28. d (20)
29. a (28)
30. c (18)
31. c (20)
32. b (16)
33. d (24)

UNIT 2 TEST A

1. 97 (32)
2. 973 (32)
3. 71 (34)
4. 540 (34)
5. 934 (38)
6. \$2 757 (38)
7. 1 452 (40)
8. 9 031 (40)
9. \$2 114 (40)
10. 666 (44)
11. 8344 (44)
12. \$6 252 (44)
13. 2 500 (46)
14. \$7 000 (46)
15. 143 (34)
16. \$4 005 (40)
17. 191 (44)
18. 527 kg (38)

UNIT 2 TEST B

1. a (34)
2. c (34)
3. a (38)
4. c (38)
5. c (40)
6. b (40)
7. c (44)
8. d (34)
9. d (38)
10. b (38)
11. b (38)
12. b (38)
13. d (38)
14. d (40)
15. c (40)
16. d (44)
17. a (38)
18. b (38)
19. a (40)
20. b (40)
21. a (44)
22. b (46)
23. a (46)
24. a (46)
25. c (34)
26. c (48)
27. d (46)

UNIT 3 TEST A

1. 11 (52)
2. 3327 (52)
3. 44 (54)
4. 457 (54)
5. 75 (58)
6. 7593 (58)
7. \$707 (58)
8. 6815 (58)
9. 337 (60)
10. 5786 (60)
11. \$1 723 (60)
12. 2465 (60)
13. 114 (64)
14. 2935 (64)
15. \$2 084 (64)
16. 1 269 (64)
17. 3940 (60)
18. 162 (71)
19. 8174 (71)
20. 5052 (71)
21. 1 000 (71)
22. 43 (60)
23. \$2.52 (60)
24. 45 (60)
25. 888 (64)

UNIT 3 TEST B

1. a (54)
2. b (54)
3. d (60)
4. a (64)
5. c (54)
6. b (58)
7. b (58)
8. c (58)
9. d (60)
10. c (64)
11. b (60)
12. a (64)
13. a (71)
14. d (71)
15. c (71)
16. d (54)
17. b (60)
18. a (60)

UNIT 4 TEST A

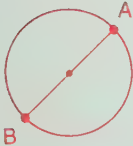
1. radius (84)
2. line segment (76)
3. quadrilateral (82)
4. line (76)
5. congruent shapes (86)
6. triangle (80)
7. triangular face (88)
8. line symmetry (74)
9. vertex (78)
10. (square) face (88)
11. (or xy) side xy (80)
12. angle S (78)
13. triangle ABC (80)
14. (circle with) centre C (84)
15. hexagon (82)
16. (78)



17. (84)



18. (82)

19. B and C (86)20. A and D (86)

UNIT 4 TEST B

1. d (76)
2. d (74)
3. c (78)
4. b (80)
5. c (82)
6. c (84)
7. a (86)
8. a (88)
9. b (74)
10. a (80)
11. a (84)
12. d (88)
13. a (76)
14. b (78)
15. c (82)
16. d (86)
17. c (76)
18. b (78)
19. d (82)
20. b (84)
21. b (88)
22. b (74)
23. a (80)
24. d (86)

UNIT 5 TEST A

1. 48 (96)
2. 7 (94)
3. 0 (94)
4. 120 (106)
5. 30 (106)
6. \$4900 (110)
7. 1800 (110)
8. 366 (108)
9. 96 (108)
10. 232 (108)
11. \$291 (108)
12. 6594 (112)
13. 1881 (112)
14. 4080 (112)
15. \$4.96 (118)
16. \$25.89 (118)
17. 1 (102)
18. 8 (102)
19. 4 (102)
20. 6 (102)
21. 35 (120)
22. 30 (120)
23. 432 (120)
24. 32 (122)
25. 50 (122)
26. 24 (122)
27. 60 (108)
28. \$6.75 (118)
29. 216 (108)
30. \$34.72 (118)

UNIT 5 TEST B

1. c (94)
2. c (106)
3. b (110)
4. a (114)
5. d (118)
6. c (94)
7. d (106)
8. a (94)
9. d (110)
10. b (106)
11. b (110)
12. d (114)
13. c (118)
14. c (114)
15. a (118)
16. a (102)
17. a (102)
18. b (102)
19. d (120)
20. d (122)
21. c (122)
22. c (120)
23. a (120)
24. b (122)
25. b (108)
26. b (114)
27. a (114)

UNIT 6 TEST A

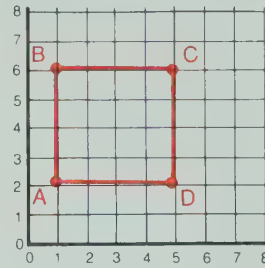
1. $8 \times 5 = 40$ (132)
 $5 \times 8 = 40$
 $\begin{array}{r} 5 \\ 8 \overline{)40} \\ \underline{40} \\ 0 \end{array}$
 $\begin{array}{r} 8 \\ 5 \overline{)40} \\ \underline{40} \\ 0 \end{array}$
2. $4 \times 7 = 28$ (132)
 $7 \times 4 = 28$
 $\begin{array}{r} 7 \\ 4 \overline{)28} \\ \underline{28} \\ 0 \end{array}$
 $\begin{array}{r} 4 \\ 7 \overline{)28} \\ \underline{28} \\ 0 \end{array}$
3. 2 (136)
 $5 \times 2 = 10$
4. 3 (136)
 $9 \times 3 = 27$
5. 6 (136)
 $6 \times 6 = 36$
6. 6 (136)
 $3 \times 6 = 18$
7. 4 (136)
8. 7 (136)
9. 6 (136)
10. 5 (136)
11. 20 (142)
12. 90 (142)
13. 9 (136)
14. 6 (138)
15. 7, R1 (144)
16. 8, R3 (144)
17. 9, R1 (144)
18. 9, R3 (144)
19. 5 (144)
2 left over
20. 8 (144)
3 cannot
play

UNIT 6 TEST B

1. c (132)
2. c (136)
3. a (132)
4. b (132)
5. d (136)
6. b (136)
7. d (138)
8. c (142)
9. a (144)
10. d (138)
11. b (142)
12. c (138)
13. a (144)
14. a (142)
15. d (144)
16. c (136)
17. b (144)
18. a (136)

UNIT 7 TEST A

1. no (150)
2. yes (152)
3. yes (154)
4. a and c (158)
- 5.-8. (164)



9. square (164)

UNIT 7 TEST B

1. c (150)
2. d (152)
3. c (154)
4. d (158)
5. c (150)
6. c (154)
7. d (152)
8. d (160)
9. a (150)
10. b (160)
11. b (152)
12. a (154)
13. b (164)
14. a (164)
15. b (164)

UNIT 8 TEST A

1. 1.44 (176)
2. 0.95 (178)
3. five and one - hundredth (176)
4. three-tenths
8.20 (174)
5. 7, 78 (178)
6. \$3.35 (178)
7. \$1.72 (182)
8. 4.91 (182)
9. 4.19 (186)
1.49
0.94
0.41
10. 8.5 (188)
11. 3.00 (188)
12. 4.31 (188)
13. 0.2 (190)
14. 1.08 (190)
15. 1.69 (190)
16. 2.1 (194)
17. 8.4 (196)
18. 4 (198)
19. 2 (198)
20. 7 (198)

UNIT 8 TEST B

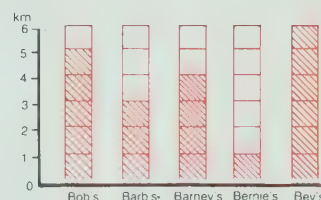
1. c (174)
2. b (180)
3. c (174)
4. d (178)
5. c (178)
6. c (178)
7. a (182)
8. c (182)
9. c (186)
10. c (186)
11. c (198)
12. b (174)
13. c (180)
14. d (174)
15. a (178)
16. d (178)
17. b (178)
18. d (182)
19. c (182)
20. d (186)
21. d (186)
22. b (198)
23. a (180)
24. d (178)
25. a (174)
26. b (174)
27. b (178)
28. a (178)
29. b (182)
30. a (186)
31. b (186)
32. a (182)
33. a (198)
34. a (188)
35. d (190)
36. b (194)
37. c (190)

UNIT 8 TEST B

38. d (194)
39. b (194)
40. d (188)
41. a (190)
42. a (188)

UNIT 9 TEST A

1. 5 cm (204)
2. 3.72 (207)
3. 60 (207)
4. 5000 (210)
5. 15 (206)
6. 1 (208)
7. 2 (210)
8. metre (211)
9. centimetre (211)
10. kilometre (211)
11. 13.6 m (212)
12. 900 cm (212)
13. See below. (214)
14. 15 cm² (218)
15. 9 cm³ (221)



UNIT 9 TEST B

1. a (204)
2. a (206)
3. a (206)
4. b (206)
5. d (211)
6. b (211)
7. b (211)
8. c (212)
9. b (216)
10. c (221)
11. c (212)
12. d (204)
13. c (212)
14. c (204)
15. a (216)
16. d (221)
17. d (212)
18. d (216)
19. a (212)
20. a (221)
21. b (212)
22. c (214)
23. d (214)
24. b (214)

UNIT 10 TEST A

1. 7200 (234)
2. 250 (234)
3. 1400 (234)
4. 2084 (230)
5. 261 (228)
6. 1656 (230)
7. 124 (228)
8. 2070 (236)
9. 8000 (242)
10. 3640 (236)
11. 55 350 (242)
12. 1036 (238)
13. 950 (238)
14. 3488 (244)
15. 30 940 (244)
16. \$55.60 (244)
17. \$122.40 (244)
18. 2212 (238)
19. \$ 306 (238)
20. 6580 (244)

UNIT 10 TEST B

1. b (234)
2. b (234)
3. c (234)
4. a (228)
5. b (230)
6. c (236)
7. d (242)
8. d (238)
9. d (244)
10. d (228)
11. c (230)
12. d (236)
13. a (242)
14. a (228)
15. b (242)
16. b (230)
17. a (238)
18. d (244)
19. b (236)
20. a (244)
21. c (238)
22. c (230)
23. a (246)
24. c (238)

UNIT 11 TEST A

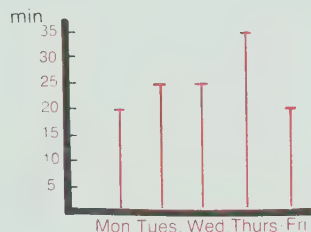
1. 6 (250)
2. 2 (250)
3. 5 (250)
4. 8R3 (250)
5. 8R2 (250)
6. 3R1 (250)
7. 10 (252)
8. 12 (252)
9. 15 (256)
10. 14 (256)
11. 401 (254)
12. 320 (254)
13. 115 (260)
14. 219 (260)
15. 192 (262)
16. 293 (262)
17. 32 (264)
18. 149 (264)
19. 133 R6 (264)
20. 125 R2 (264)
21. 12 (256)
22. 83 (262)
23. \$37 (264)
24. 12 (266)
25. \$87 (266)

UNIT 11 TEST B

1. d (250)
2. a (250)
3. b (253)
4. b (253)
5. c (250)
6. d (252)
7. d (250)
8. b (253)
9. a (252)
10. a (250)
11. b (250)
12. b (253)
13. c (256)
14. c (260)
15. d (262)
16. b (264)
17. c (256)
18. d (262)
19. c (260)
20. c (264)
21. a (262)
22. a (256)
23. b (260)
24. a (264)
25. d (266)
26. d (260)
27. c (266)
28. b (260)
29. a (266)
30. a (266)

UNIT 12 TEST A

1. mass (272)
2. capacity (272)
3. 500mL (282)
4. 1g (284)
5. 1m (281)
6. 19:45 (278)
7. min (276)
8. mm (281)
9. g (284)
10. L (282)
11. cm (281)
12. 180 (276)
13. 2, 2 (276)
14. 8, 4 (276)
15. 1:10 p.m. (278)
or 13:10 (288)



17. 1204 (286)
18. 2, 13 (286)
19. 3002 (287)
20. 6, 827 (287)

UNIT 12 TEST B

1. b (272)
2. c (276)
3. d (280)
4. b (278)
5. d (272)
6. c (280)
7. c (278)
8. b (272)
9. a (278)
10. a (280)
11. d (280)
12. c (284)
13. b (282)
14. a (276)
15. d (284)
16. d (276)
17. c (280)
18. b (284)
19. c (282)
20. b (276)
21. a (280)
22. a (282)
23. a (276)
24. a (286)
25. c (280)
26. c (287)
27. c (282)
28. d (286)
29. d (287)
30. b (286)
31. a (276)
32. b (287)
33. b (284)
34. d (288)
35. d (288)
36. a (288)

UNIT 13 TEST A

1. 2.5 (296)
2. 1.75 (297)
3. 0.70 (298)
4. 3 $\frac{1}{4}$ (297)
5. 1 $\frac{9}{10}$ (298)
6. $\frac{1}{2}$ (296)
7. = (300)
8. > (300)
9. < (300)
10. < (300)
11. $\frac{1}{10}, \frac{1}{4}, \frac{3}{10}, \frac{1}{2}$ (300)
12. $\frac{9}{10}$ (304)
13. 4 (304)
14. 4 (304)
15. 10 $\frac{3}{4}$ (304)
16. 2 $\frac{3}{4}$ (306)
17. 2 $\frac{6}{10}$ (306)
18. 4 (306)
19. all A, B, and C (302)

UNIT 13 TEST B

1. b (296)
2. b (300)
3. b (302)
4. d (296)
5. a (300)
6. d (296)
7. a (302)
8. a (296)
9. d (300)
10. a (296)
11. b (302)
12. c (296)
13. c (304)
14. b (306)
15. d (306)
16. d (304)
17. c (304)
18. c (306)

YEAR-END TEST

1. b
2. b
3. b
4. d
5. a
6. a
7. d
8. c
9. b
10. d
11. d
12. d
13. d
14. a
15. d
16. a
17. b
18. d
19. b
20. d
21. a
22. c
23. a
24. a
25. a
26. b
27. b
28. a
29. c
30. d
31. c
32. a
33. b
34. b
35. d
36. a
37. b

YEAR-END TEST

38. d
39. d
40. c
41. a
42. c
43. d
44. c
45. a
46. c
47. c
48. d
49. d
50. d
51. b
52. c
53. d
54. d
55. b
56. a
57. a
58. d
59. b
60. d
61. c
62. b
63. d
64. c
65. b
66. a

Choose the correct answer.

1. Which is the numeral for five thousand twenty-four?

- (a) 50024 (b) 524 (c) 5024 (d) 5000 24

2. Which words name 9870?

- (a) ninety-eight seventy (b) nine hundred eighty-seven
(c) nine eight hundred seventy (d) nine thousand eight hundred seventy

3. Which list shows the numbers 4222, 4662, 462, and 4626 in order from least to greatest?

- (a)

462
4222
4626
4662

 (b)

4222
4662
462
4626

 (c)

4662
4626
4222
462

 (d)

4222
462
4662
4626

4.
$$\begin{array}{r} 42 \\ + 34 \\ \hline \end{array}$$
 (a) 42 (b) 76 (c) 34 (d) 8

5.
$$\begin{array}{r} 72 \\ + 25 \\ \hline \end{array}$$
 (a) 57 (b) 72 (c) 25 (d) 97

6.
$$\begin{array}{r} 543 \\ + 452 \\ \hline \end{array}$$
 (a) 543 (b) 452 (c) 995 (d) 91

7.
$$\begin{array}{r} 237 \\ + 98 \\ \hline \end{array}$$
 (a) 335 (b) 225 (c) 235 (d) 139

8.
$$\begin{array}{r} 493 \\ + 247 \\ \hline \end{array}$$
 (a) 246 (b) 630 (c) 640 (d) 740

9.
$$\begin{array}{r} 628 \\ + 753 \\ \hline \end{array}$$
 (a) 1381 (b) 1371 (c) 75 (d) 1481

10.
$$\begin{array}{r} 87 \\ - 35 \\ \hline \end{array}$$
 (a) 52 (b) 35 (c) 122 (d) 112

11.
$$\begin{array}{r} 695 \\ - 273 \\ \hline \end{array}$$
 (a) 968 (b) 422 (c) 868 (d) 222

12.
$$\begin{array}{r} 999 \\ - 815 \\ \hline \end{array}$$
 (a) 1704 (b) 1814 (c) 184 (d) 84

$$\begin{array}{r} 522 \\ - 87 \\ \hline \end{array}$$

(a) 609

(b) 545

(c) 435

(d) 445

13. _____

$$\begin{array}{r} 903 \\ - 765 \\ \hline \end{array}$$

(a) 138

(b) 248

(c) 262

(d) 1668

14. _____

15. _____

16. _____

$$\begin{array}{r} 1004 \\ - 529 \\ \hline \end{array}$$

(a) 475

(b) 1525

(c) 1533

(d) 1475

17. _____

18. _____

19. _____

$$\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$$

(a) 36

(b) 6

(c) 68

(d) 8

20. _____

21. _____

$$\begin{array}{r} 65 \\ \times 7 \\ \hline \end{array}$$

(a) 425

(b) 455

(c) 42

(d) 35

22. _____

23. _____

24. _____

$$\begin{array}{r} 89 \\ \times 8 \\ \hline \end{array}$$

(a) 642

(b) 72

(c) 97

(d) 712

$$7 \overline{)56}$$

(a) 6

(b) 8

(c) 9 R2

(d) 7 R6

$$4 \overline{)35}$$

(a) 8

(b) 9

(c) 9 R1

(d) 8 R3

$$8 \overline{)66}$$

(a) 8

(b) 9 R6

(c) 8 R2

(d) 9

22. Which is the decimal five and four-hundredths?

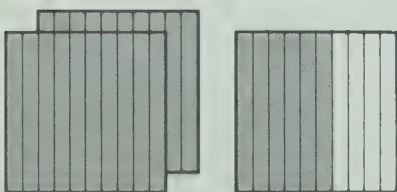
(a) 5.4

(b) 5400

(c) 5.04

(d) 504

23. Which decimal is shown?



(a) 0.6

(b) 1.6

(c) 0.4

(d) 2.6

24. Which list shows the numbers in order from least to greatest?

(a) $\begin{array}{l} 0.7 \\ 0.07 \\ 0.65 \\ 0.56 \end{array}$

(b) $\begin{array}{l} 0.7 \\ 0.65 \\ 0.56 \\ 0.07 \end{array}$

(c) $\begin{array}{l} 0.07 \\ 0.56 \\ 0.65 \\ 0.7 \end{array}$

(d) $\begin{array}{l} 0.56 \\ 0.65 \\ 0.07 \\ 0.70 \end{array}$

25. Which fraction shows how much is shaded?



25. _____

26. _____

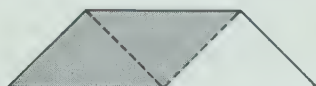
27. _____

28. _____

29. _____

- Ⓐ $\frac{1}{4}$ Ⓑ $\frac{1}{3}$ Ⓒ $\frac{3}{4}$ Ⓓ $\frac{3}{10}$

26. Which fraction shows how much is shaded?



- Ⓐ $\frac{1}{2}$ Ⓑ $\frac{1}{4}$ Ⓒ $\frac{1}{3}$ Ⓓ $\frac{2}{3}$

27. Which fraction shows how much is shaded?



- Ⓐ $\frac{7}{10}$ Ⓑ $\frac{3}{10}$ Ⓒ $\frac{3}{7}$ Ⓓ $\frac{7}{3}$

28. Which time is shown?



- Ⓐ 10:25 Ⓑ 11:05 Ⓒ 4:55 Ⓓ 11:25

29. Which time is shown?



- Ⓐ 9:14 Ⓑ 2:45 Ⓒ 9:03 Ⓓ 8:14

30. Which time is shown?



- (a) 9:23 (b) 4:46 (c) 5:46 (d) 10:23

Which is the best estimate for each measurement?

31. the mass of a pair of shoes

- (a) 1 kg (b) 5 kg (c) 10 kg (d) 50 kg

32. the amount of water in a watering can

- (a) 5 L (b) 50 L (c) 100 L (d) 500 L

33. the temperature of your body

- (a) 0°C (b) 18°C (c) 37°C (d) 52°C

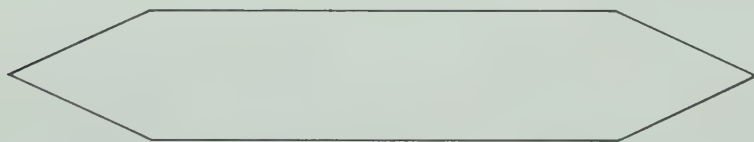
34. the length of a fly

- (a) 1 cm (b) 10 cm (c) 20 cm (d) 50 cm

35. the length of a car

- (a) 1 m (b) 4 m (c) 15 m (d) 50 m

36. Use a centimetre ruler. Which is the perimeter of this shape?



- (a) 6 cm (b) 20 cm (c) 12 cm (d) 18 cm

37. Which is the name for this shape?



- (a) square (b) rectangle (c) triangle (d) cube

30. _____

31. _____

32. _____

33. _____

34. _____

35. _____

36. _____

37. _____

38. Which is the name for this shape?



38. _____

39. _____

40. _____

41. _____

42. _____

Ⓐ circle

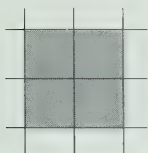
Ⓑ sphere

Ⓒ cylinder

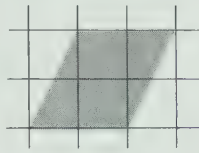
Ⓓ cone

39. Which shapes are similar?

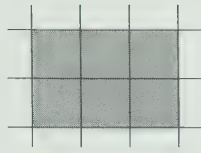
1



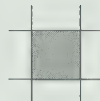
2



3



4



Ⓐ 1 and 2

Ⓑ 1 and 3

Ⓒ 1 and 4

Ⓓ 1, 3, and 4

Use this shape for exercises 40 to 42.



40. How many faces?

Ⓐ 8

Ⓑ 12

Ⓒ 6

Ⓓ 7

41. How many edges?

Ⓐ 8

Ⓑ 12

Ⓒ 6

Ⓓ 7

42. How many vertices?

Ⓐ 8

Ⓑ 12

Ⓒ 6

Ⓓ 7

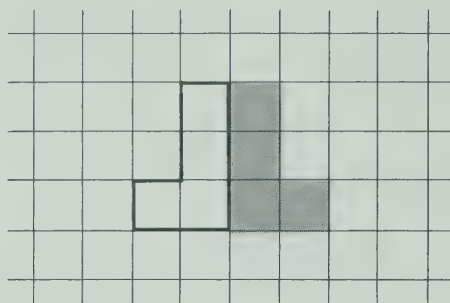
Which do you do to make the gray shape fit the white shape?

43. _____

43.

44. _____

45. _____



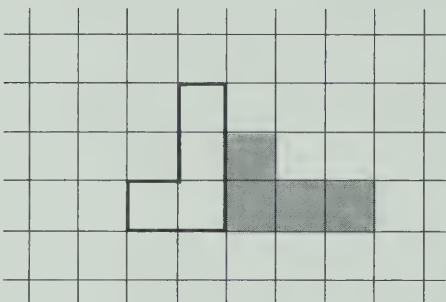
Ⓐ flip

Ⓑ slide

Ⓒ turn

Ⓓ slip

44.



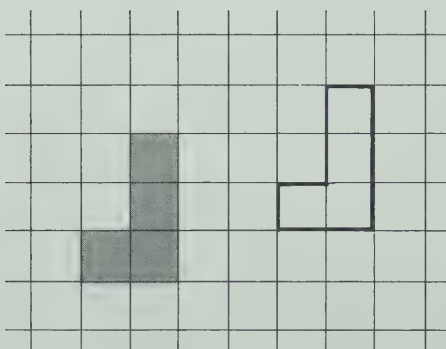
Ⓐ flip

Ⓑ slide

Ⓒ turn

Ⓓ slip

45.





























Ⓐ flip

Ⓑ slide

Ⓒ turn

Ⓓ slip

Use this graph for exercises 46 to 48.

Students in Each Grade	
3	       
4	    
5	     
6	     
Each  = 4 students.	

46. _____

47. _____

48. _____

49. _____

50. _____

51. _____

46. Which grade has the most students?

- (a) 3 (b) 4 (c) 5 (d) 6

47. How many students are in grade 4?

- (a) 6 (b) 24 (c) 28 (d) 32

48. How many more students are in grade 3 than in grade 6?

- (a) 0 (b) 2 (c) 4 (d) 8

49. A book has 302 pages. Emma has read 186. How many pages does she have left to read?

- (a) 302 (b) 186 (c) 488 (d) 116

50. Angela has \$1.35. She buys a notebook for \$0.89. How much money does she have left?

- (a) \$2.24 (b) 224 (c) \$46 (d) 46¢

51. Michael plants 5 rows of potatoes with 8 plants in each row. How many potato plants does he have in all?

- (a) 13 (b) 3 (c) 40 (d) 1 R3

Answer each question.

1. What does the 0 mean in 7707?

2. What does the 4 mean in 145 269?

Write the standard form.

3. three hundred sixteen thousand twenty-eight

4. 4 thousands 9 hundreds 1 one

5. $80\,000 + 3000 + 900 + 50$ 6. LXXIV

Write the expanded form.

7. 20 173

8. 6016

Write the words.

9. 10 040

10. 208 000

Use $>$ or $<$ to make true statements.

11. $8339 \ominus 8344$

12. $155\,099 \ominus 155\,800$

List the numbers from greatest to least.

13. 99 099, 90 990, 99 900

Round

14. 14 482 to the nearest ten.

15. 14 482 to the nearest hundred.

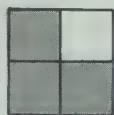
16. 14 482 to the nearest thousand.

Answer the question.

17. On your first birthday you begin your second year of life.
On your 50th birthday, which year of life do you begin?

Write the fraction that shows

18. how much is shaded.



19. how much is shaded.



20. how many are circles.



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Choose the correct answer.

1. Which does the 6 mean in 76 521?

- (a) 6 (b) 600 (c) 60 000 (d) 6000

2. Which is the standard form for two hundred one thousand seven hundred five?

- (a) 201 075 (b) 21 705 (c) 705 201 (d) 201 705

3. Which is the expanded form for 456 123?

- (a) $456 + 123$ (b) $4 + 5 + 6 + 1 + 2 + 3$
(c) $400\,000 + 50\,000 + 6000 + 100 + 20 + 3$ (d) $40\,000 + 5000 + 600 + 12 + 3$

4. Which words name 45 080?

- (a) forty-five thousand eighty (b) forty-five thousand eight
(c) four hundred, five thousand eighty (d) four thousand five hundred eighty

5. Which is a true statement?

- (a) $771\,117 > 717\,771$ (b) $771\,117 < 717\,771$
(c) $771\,117 > 771\,717$ (d) $771\,117 < 717\,117$

6. Which list shows the numbers in order from greatest to least?

- | | | | |
|--|--|--|--|
| (a) <div style="border: 1px solid black; padding: 5px; display: inline-block;">45 056
45 065
46 506
45 055</div> | (b) <div style="border: 1px solid black; padding: 5px; display: inline-block;">46 506
45 065
45 056
45 055</div> | (c) <div style="border: 1px solid black; padding: 5px; display: inline-block;">45 055
45 056
45 065
46 506</div> | (d) <div style="border: 1px solid black; padding: 5px; display: inline-block;">46 506
45 065
45 055
45 056</div> |
|--|--|--|--|

7. Which is 427 rounded to the nearest ten?

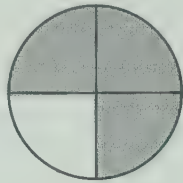
- (a) 30 (b) 430 (c) 420 (d) 400

8. Which is the thirtieth letter in this sentence?

- (a) r (b) i (c) s (d) e

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

9. Which fraction shows how much is shaded?



9. _____
 10. _____
 11. _____
 12. _____
 13. _____
 14. _____

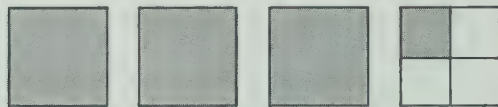
- (a) $\frac{1}{4}$ (b) $\frac{3}{1}$ (c) $\frac{3}{4}$ (d) $\frac{4}{3}$

10. Which fraction tells what part of the set is circles?



- (a) $\frac{3}{2}$ (b) $\frac{3}{5}$ (c) $\frac{5}{3}$ (d) $\frac{2}{5}$

11. Which fraction tells how much is shaded?



- (a) $\frac{1}{4}$ (b) $3\frac{1}{4}$ (c) $3\frac{3}{4}$ (d) $\frac{3}{7}$

12. Which is the standard form for $700\ 000 + 60\ 000 + 60 + 3$?

- (a) 706 603 (b) 760 063 (c) 760 630 (d) 706 063

13. Which words name 456 789?

- (a) four hundred fifty-six seven hundred eighty-nine
 (b) four hundred fifty-six thousand eight hundred seventy-nine
 (c) four hundred fifty-six thousand seven hundred eighty-nine
 (d) four hundred fifty-six hundred seven hundred eighty-nine

14. Which list shows the numbers in order from least to greatest?

- | | | | |
|--|--|--|--|
| (a) 145 678
154 687
154 768
154 786 | (b) 154 786
154 768
154 687
145 678 | (c) 154 786
154 687
154 768
145 678 | (d) 145 678
154 768
154 687
154 786 |
|--|--|--|--|

15. Which would follow the 149th runner in a race?

- (a) 148th (b) 200th (c) 150 (d) 150th

16. Which picture shows $\frac{3}{8}$ shaded?

(a)



(b)



(c)



(d)



15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

17. Which does the 3 mean in 324 167?

- (a) 3 (b) 300 000 (c) 300 (d) 3000

18. Which is the expanded form for 70 060?

- (a) $70 + 60$ (b) $7 + 6$ (c) $70\,000 + 6$ (d) $70\,000 + 60$

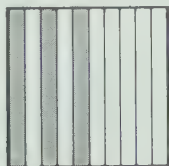
19. Which is a true statement?

- (a) $10\,006 > 60\,001$ (b) $100\,006 < 60\,001$
(c) $60\,001 > 10\,006$ (d) $60\,001 > 100\,006$

20. Which is 6648 rounded to the nearest hundred?

- (a) 6650 (b) 6600 (c) 7000 (d) 6700

21. Which fraction shows how much is shaded?



(a) $\frac{7}{10}$

(b) $\frac{3}{10}$

(c) $\frac{3}{7}$

(d) $\frac{10}{3}$

22. Which fraction tells how many boxes of golf balls there are?



(a) $\frac{2}{4}$

(b) $\frac{2}{3}$

(c) $1\frac{3}{2}$

(d) $1\frac{2}{3}$

23. Which does the 0 mean in 136 804?

(a) 0 tens

(b) 0

(c) 0 hundreds

(d) 0 ten thousands

24. Which words name 60 006?

(a) sixty thousand six

(b) six thousand six

(c) sixty-six

(d) six hundred thousand six

25. Which is 3489 rounded to the nearest thousand?

(a) 4000

(b) 3500

(c) 3490

(d) 3000

26. Canada has 10 provinces. 4 are the Atlantic Provinces. Which fraction tells how many of the provinces are Atlantic Provinces?

(a) $\frac{4}{10}$

(b) $\frac{10}{4}$

(c) $\frac{4}{6}$

(d) 4

27. Which is the standard form for XCVII?

(a) 47

(b) 67

(c) 97

(d) 117

28. Which is a true statement?

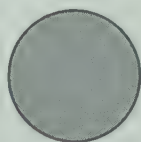
(a) $423\ 156 > 423\ 651$

(b) $423\ 156 > 423\ 516$

(c) $423\ 156 < 56\ 423$

(d) $423\ 156 < 423\ 165$

29. Which fraction tells how much is shaded?



(a) $4\frac{4}{10}$

(b) $4\frac{10}{4}$

(c) $\frac{4}{10}$

(d) $\frac{5}{14}$

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____

29. _____

30. Which is the expanded form for 602 508?

(a) $600\,000 + 20\,000 + 5000 + 8$ (b) $60\,000 + 2000 + 500 + 8$

(c) $600\,000 + 2000 + 500 + 8$ (d) $600\,000 + 2000 + 50 + 8$

30. _____

31. _____

32. _____

33. _____

31. Which list shows the numbers in order from greatest to least?

(a)

60 006
60 060
60 600
66 000

(b)

66 000
60 600
60 006
60 060

(c)

66 000
60 600
60 060
60 006

(d)

66 000
60 060
60 006
60 600

32. Which would be followed by the 203rd runner?

(a) 204th

(b) 202nd

(c) 202

(d) 200th

33. Which fraction shows how much is shaded?



(a) $\frac{3}{5}$

(b) $\frac{2}{3}$

(c) $\frac{5}{2}$

(d) $\frac{2}{5}$

Add.

$$\begin{array}{r} 1. \quad 63 \\ \quad 34 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 571 \\ \quad 402 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 18 \\ \quad 53 \\ \hline \end{array}$$

1. _____

2. _____

3. _____

4. _____

$$\begin{array}{r} 4. \quad 406 \\ \quad 134 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 472 \\ \quad 462 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$1831 \\ \quad \quad 926 \\ \hline \end{array}$$

5. _____

6. _____

7. _____

$$\begin{array}{r} 7. \quad 649 \\ \quad 803 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 3773 \\ \quad 5258 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$1694 \\ \quad \quad 420 \\ \hline \end{array}$$

8. _____

9. _____

10. _____

$$\begin{array}{r} 10. \quad 308 \\ \quad 93 \\ \quad 265 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 2609 \\ \quad 1784 \\ \quad 3951 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \$ 771 \\ \quad \quad 5401 \\ \quad \quad \quad 80 \\ \hline \end{array}$$

11. _____

12. _____

13. _____

14. _____

Choose the better estimate for each sum.

$$13. \quad 797 + 813 + 920 \quad \boxed{2400 \text{ or } 2500}$$

15. _____

16. _____

$$14. \quad \$3703 + \$964 + \$1855 \quad \boxed{\$6000 \text{ or } \$7000}$$

17. _____

18. _____

Solve.

15. A barrel contains 67 apples and 76 pears. How many pieces of fruit does the barrel contain?

16. At the farm stand on Wednesday, produce sales were \$2146. On Thursday, sales were \$1859. How much were sales for the two days?

17. Susan brought 38 tomatoes to the market. Harry brought 47 tomatoes. Sally brought 106 tomatoes. How many tomatoes did they bring in all?

18. The turkeys ate 176 kg of feed in one month. The chickens ate 351 kg of feed. How much feed was eaten by the turkeys and chickens in all?

Choose the correct answer.

1.
$$\begin{array}{r} 84 \\ + 3 \\ \hline \end{array}$$
 (a) 87 (b) 81 (c) 117 (d) 97
2.
$$\begin{array}{r} 25 \\ + 26 \\ \hline \end{array}$$
 (a) 49 (b) 411 (c) 51 (d) 41
3.
$$\begin{array}{r} 317 \\ + 192 \\ \hline \end{array}$$
 (a) 509 (b) 409 (c) 519 (d) 125
4.
$$\begin{array}{r} 4628 \\ + 831 \\ \hline \end{array}$$
 (a) 4459 (b) 3797 (c) 5459 (d) 5559
5.
$$\begin{array}{r} \$586 \\ + 129 \\ \hline \end{array}$$
 (a) \$605 (b) \$615 (c) \$715 (d) \$457
6.
$$\begin{array}{r} 5678 \\ + 3456 \\ \hline \end{array}$$
 (a) 8024 (b) 9134 (c) 8134 (d) 2222
7.
$$\begin{array}{r} 1543 \\ 2454 \\ + 3335 \\ \hline \end{array}$$
 (a) 6222 (b) 7232 (c) 7332 (d) 6332
8.
$$\begin{array}{r} 51 \\ + 38 \\ \hline \end{array}$$
 (a) 13 (b) 5138 (c) 99 (d) 89
9.
$$\begin{array}{r} 386 \\ + 209 \\ \hline \end{array}$$
 (a) 177 (b) 585 (c) 515 (d) 595
10.
$$\begin{array}{r} 247 \\ + 230 \\ \hline \end{array}$$
 (a) 17 (b) 477 (c) 470 (d) 487
11.
$$\begin{array}{r} 1234 \\ + 3456 \\ \hline \end{array}$$
 (a) 2222 (b) 4690 (c) 4680 (d) 46 810
12.
$$\begin{array}{r} 294 \\ + 350 \\ \hline \end{array}$$
 (a) 56 (b) 644 (c) 640 (d) 544
13.
$$\begin{array}{r} 8876 \\ + 600 \\ \hline \end{array}$$
 (a) 8276 (b) 8476 (c) 9400 (d) 9476
14.
$$\begin{array}{r} 1872 \\ + 3567 \\ \hline \end{array}$$
 (a) 1695 (b) 4339 (c) 5449 (d) 5439
15.
$$\begin{array}{r} 3758 \\ + 2694 \\ \hline \end{array}$$
 (a) 5342 (b) 1064 (c) 6452 (d) 6442

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

16.
$$\begin{array}{r} 2134 \\ 1286 \\ + 1397 \\ \hline \end{array}$$

16. _____

17. _____

18. _____

17.
$$\begin{array}{r} 2174 \\ + 1465 \\ \hline \end{array}$$

19. _____

20. _____

18.
$$\begin{array}{r} 2736 \\ + 4542 \\ \hline \end{array}$$

21. _____

22. _____

23. _____

19.
$$\begin{array}{r} 3076 \\ + 2395 \\ \hline \end{array}$$

24. _____

25. _____

20.
$$\begin{array}{r} 1984 \\ + 766 \\ \hline \end{array}$$

26. _____

27. _____

21.
$$\begin{array}{r} 1089 \\ 2056 \\ + 3428 \\ \hline \end{array}$$

22. Which is the best estimate for $\$4217 + \$2964 + \$2198$?

- (a) \$11 000 (b) \$9000 (c) \$8000 (d) \$900

23. Which is the best estimate for $465 + 728 + 559$?

- (a) 1800 (b) 1600 (c) 1900 (d) 2000

24. Which is the best estimate for $3433 + 286 + 1579$?

- (a) 5000 (b) 6000 (c) 8000 (d) 4000

25. In our first year in the league, our team lost 48 games.

In our second year, our team lost 35 games. How many games did our team lose in two years?

- (a) 13 (b) 73 (c) 83 (d) 93

26. Sam earned \$384 picking berries. Kay earned \$678.

How much did they earn together?

- (a) \$294 (b) \$952 (c) \$1062 (d) \$1052

27. George forgot his calculator. He estimated the sum of 3663 plus 2442 plus 1999. What was his estimate?

- (a) 9100 (b) 7100 (c) 6100 (d) 8100

Subtract.

1.
$$\begin{array}{r} 23 \\ 12 \end{array}$$

2.
$$\begin{array}{r} 3858 \\ 531 \end{array}$$

3.
$$\begin{array}{r} 91 \\ 47 \end{array}$$

4.
$$\begin{array}{r} 584 \\ 127 \end{array}$$

5.
$$\begin{array}{r} 2209 \\ 2134 \end{array}$$

6.
$$\begin{array}{r} 7959 \\ 364 \end{array}$$

7.
$$\begin{array}{r} \$1539 \\ 832 \end{array}$$

8.
$$\begin{array}{r} 9455 \\ 2640 \end{array}$$

9.
$$\begin{array}{r} 622 \\ 285 \end{array}$$

10.
$$\begin{array}{r} 7777 \\ 1991 \end{array}$$

11.
$$\begin{array}{r} \$3390 \\ 1667 \end{array}$$

12.
$$\begin{array}{r} 7311 \\ 4846 \end{array}$$

13.
$$\begin{array}{r} 703 \\ 589 \end{array}$$

14.
$$\begin{array}{r} 4000 \\ 1065 \end{array}$$

15.
$$\begin{array}{r} \$3007 \\ 923 \end{array}$$

16.
$$\begin{array}{r} 2001 \\ 732 \end{array}$$

Add or subtract as shown.

17. $5908 - 1968$

18. $(208 + 481) - 527$

19. $4023 + (4719 - 568)$

20. $(4747 - 77) + 382$

21. $1019 - (200 - 181)$

Solve.

22. In the fall, 141 books were given to the students. In the spring, 98 books were returned. How many books were not returned?

23. New math books cost \$11.50. Used math books cost only \$8.98. How much less does a used math book cost?

24. The truck was loaded with 2312 cartons. After its first stop, it had 2267 cartons. How many cartons did it deliver at its first stop?

25. The warehouse held 1205 stoves. 317 stoves were shipped to fill orders. How many stoves were left in the warehouse?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____

Choose the correct answer.

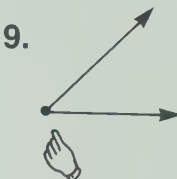
- | | | | | | | |
|-----|--|------------|----------|------------|------------|-----------|
| 1. | $\begin{array}{r} 46 \\ -21 \\ \hline \end{array}$ | (a) 25 | (b) 24 | (c) 15 | (d) 67 | 1. _____ |
| 2. | $\begin{array}{r} 81 \\ -32 \\ \hline \end{array}$ | (a) 59 | (b) 49 | (c) 51 | (d) 113 | 2. _____ |
| 3. | $\begin{array}{r} 7426 \\ -3872 \\ \hline \end{array}$ | (a) 11 298 | (b) 4454 | (c) 35 414 | (d) 3554 | 3. _____ |
| 4. | $\begin{array}{r} 9090 \\ -8989 \\ \hline \end{array}$ | (a) 101 | (b) 1101 | (c) 18 079 | (d) 1111 | 4. _____ |
| 5. | $\begin{array}{r} 74 \\ -31 \\ \hline \end{array}$ | (a) 105 | (b) 313 | (c) 43 | (d) 33 | 5. _____ |
| 6. | $\begin{array}{r} 726 \\ -692 \\ \hline \end{array}$ | (a) 24 | (b) 34 | (c) 174 | (d) 134 | 6. _____ |
| 7. | $\begin{array}{r} 86 \\ -45 \\ \hline \end{array}$ | (a) 131 | (b) 41 | (c) 311 | (d) 31 | 7. _____ |
| 8. | $\begin{array}{r} 8279 \\ -6745 \\ \hline \end{array}$ | (a) 2534 | (b) 2434 | (c) 1534 | (d) 15 024 | 8. _____ |
| 9. | $\begin{array}{r} 9366 \\ -3688 \\ \hline \end{array}$ | (a) 6322 | (b) 6788 | (c) 5788 | (d) 5678 | 9. _____ |
| 10. | $\begin{array}{r} 704 \\ -118 \\ \hline \end{array}$ | (a) 822 | (b) 696 | (c) 586 | (d) 686 | 10. _____ |
| 11. | $\begin{array}{r} 6122 \\ -784 \\ \hline \end{array}$ | (a) 6906 | (b) 5338 | (c) 6662 | (d) 6448 | 11. _____ |
| 12. | $\begin{array}{r} 6004 \\ -2768 \\ \hline \end{array}$ | (a) 3236 | (b) 8772 | (c) 4346 | (d) 4764 | 12. _____ |
| 13. | 1030 - (534 - 149) | | | | | 13. _____ |
| | (a) 645 | (b) 347 | (c) 655 | (d) 535 | | |
| 14. | 2120 - (765 + 1130) | | | | | 14. _____ |
| | (a) 2485 | (b) 4015 | (c) 1775 | (d) 225 | | |
| 15. | 3006 - (1185 + 1236) | | | | | 15. _____ |
| | (a) 5427 | (b) 3057 | (c) 585 | (d) 1425 | | |

16. The dealer sold 51 cars during the summer. 36 of them were economy models. How many were not economy models? 16. _____
17. _____
18. _____
- (a) 87 (b) 25 (c) 5 (d) 15
17. Lumber costs \$70.00. You have \$19.50. How much more money do you need to buy the lumber?
- (a) \$51.50 (b) \$50.50 (c) \$61.50 (d) \$89.50
18. There were 718 students in school on Monday. On Tuesday there were 589 students in school. How many more students were in school on Monday than on Tuesday?
- (a) 129 (b) 1307 (c) 271 (d) 239

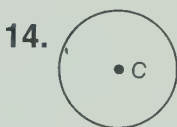
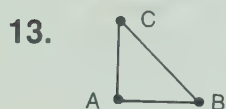
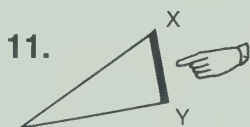
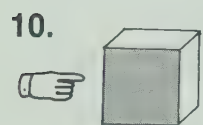
From the list, choose the one idea that best matches each picture.



congruent
shapes
line
line segment
line symmetry
quadrilateral
radius
triangle
triangular faces
vertex



Name each of these.



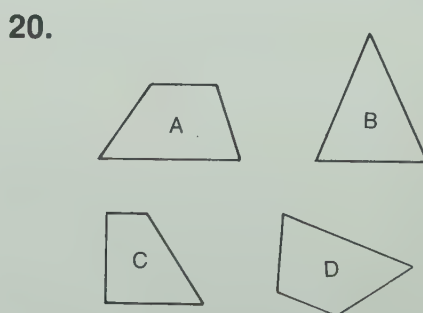
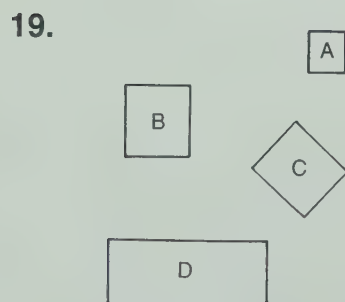
Draw a picture for each of these.

16. a right angle

17. a pentagon

18. a circle with diameter AB

Which shapes are congruent?



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

17.

18.

19. _____
20. _____

Choose the correct answer.

1. _____

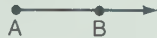
1. Which drawing shows a line?

2. _____

(a)



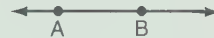
(b)



(c)



(d)



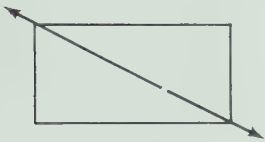
3. _____

4. _____

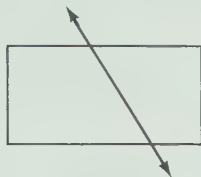
5. _____

2. Which is a line of symmetry?

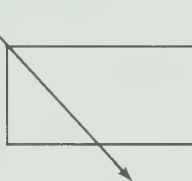
(a)



(b)



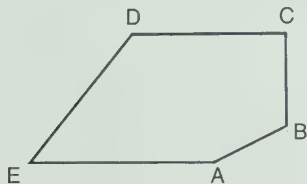
(c)



(d)



3. Which angle is a right angle?



(a) A

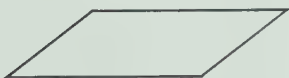
(b) B

(c) C

(d) D

4. Which shows a triangle?

(a)



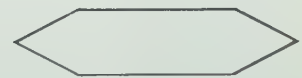
(b)



(c)

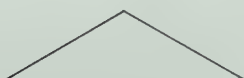


(d)



5. Which shows a quadrilateral?

(a)



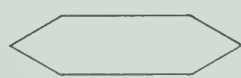
(b)



(c)



(d)



6. Which shows a circle?

6. _____

(a)



(b)



(c)



(d)

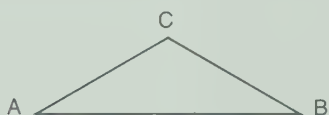


7. _____

8. _____

9. _____

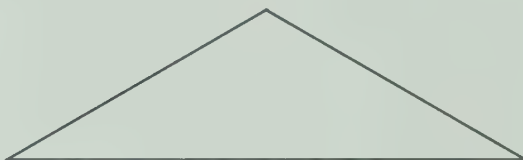
7. Which triangle is congruent to ABC?



(a)



(b)



(c)



(d)



8. How many faces does this solid have?



(a) 6

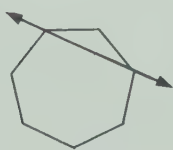
(b) 7

(c) 3

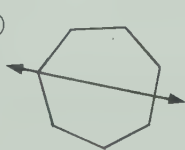
(d) 9

9. Which is a line of symmetry?

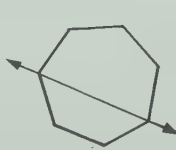
(a)



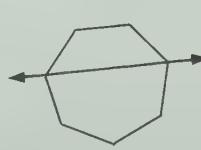
(b)



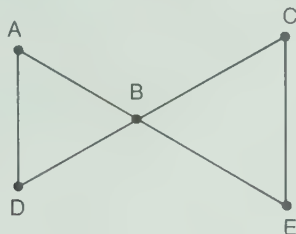
(c)



(d)



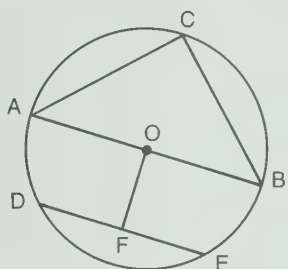
10. Which names a triangle shown in the drawing?



- (a) BAD (b) ABC (c) CBD (d) ADE

10. _____
 11. _____
 12. _____
 13. _____
 14. _____

11. Which names a radius? The centre is at O.



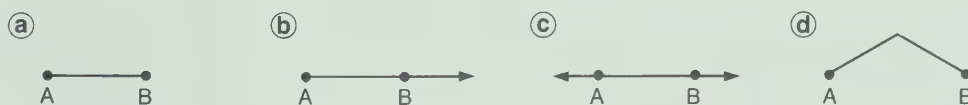
- (a) \overline{OA} (b) \overline{OF} (c) \overline{AB} (d) \overline{BC}

12. How many faces does this solid have?

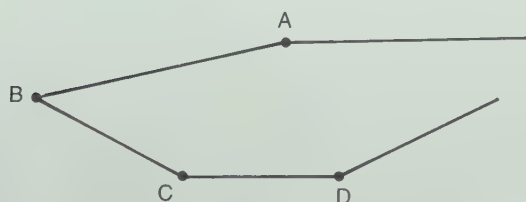


- (a) 2 (b) 6 (c) 9 (d) 5

13. Which drawing shows a line segment?



14. Which angle is less than a right angle?



- (a) A (b) B (c) C (d) D

15. Which shows a hexagon?

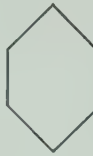
(a)



(b)



(c)



(d)



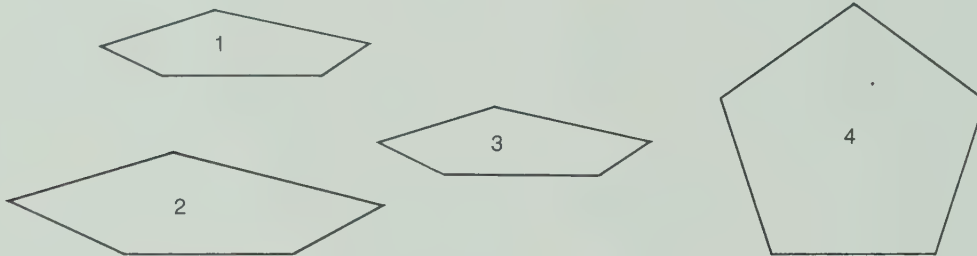
15. _____

16. _____

17. _____

18. _____

16. Which shapes are congruent?



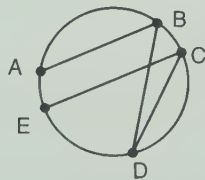
(a) 1 and 2

(b) 1, 2, 3, and 4

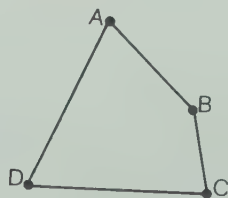
(c) 2 and 4

(d) 1 and 3

17. Which does not name a line segment shown in the drawing?

(a) \overline{AB} (b) \overline{CD} (c) \overline{BC} (d) \overline{DB}

18. Which angle is larger than a right angle?



(a) A

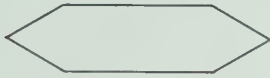
(b) B

(c) C

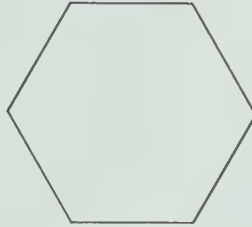
(d) D

19. Which shows an octagon?

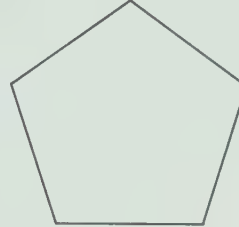
(a)



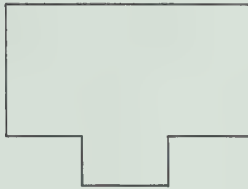
(b)



(c)



(d)



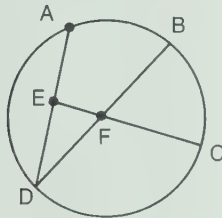
19. _____

20. _____

21. _____

22. _____

20. Which names the diameter? F is the centre of the circle.

(a) \overline{EC} (b) \overline{DB} (c) \overline{BF} (d) \overline{AD}

21. Which faces would this solid have?



(a) 2 triangles, 1 parallelogram

(b) 4 triangles, 1 square

(c) 4 triangles

(d) 5 triangles

22. Which picture shows line symmetry?

(a)



(b)



(c)



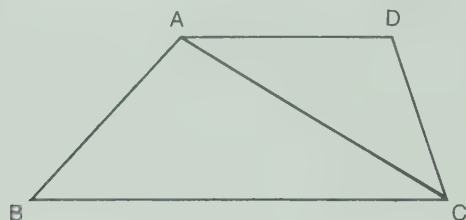
(d)



23. Which names a triangle shown in the drawing?

23. _____

24. _____



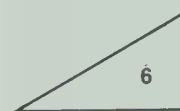
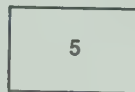
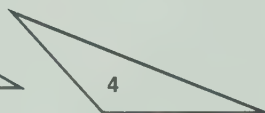
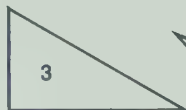
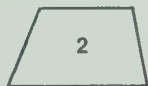
Ⓐ ADC

Ⓑ BAD

Ⓒ BCD

Ⓓ ABD

24. Which shapes are congruent?



Ⓐ 2 and 5

Ⓑ 4 and 3

Ⓒ 1 and 4

Ⓓ 3 and 6

Multiply.

1.
$$\begin{array}{r} 8 \\ 6 \end{array}$$

2.
$$\begin{array}{r} 1 \\ 7 \end{array}$$

3.
$$\begin{array}{r} 5 \\ 0 \end{array}$$

4.
$$\begin{array}{r} 40 \\ 3 \end{array}$$

5.
$$\begin{array}{r} 10 \\ 3 \end{array}$$

6.
$$\begin{array}{r} \$700 \\ 7 \end{array}$$

7.
$$\begin{array}{r} 300 \\ 6 \end{array}$$

8.
$$\begin{array}{r} 61 \\ 6 \end{array}$$

9.
$$\begin{array}{r} 12 \\ 8 \end{array}$$

10.
$$\begin{array}{r} 58 \\ 4 \end{array}$$

11.
$$\begin{array}{r} \$97 \\ 3 \end{array}$$

12.
$$\begin{array}{r} 942 \\ 7 \end{array}$$

13.
$$\begin{array}{r} 209 \\ 9 \end{array}$$

14.
$$\begin{array}{r} 816 \\ 5 \end{array}$$

15.
$$\begin{array}{r} \$1.24 \\ 4 \end{array}$$

16.
$$\begin{array}{r} \$8.63 \\ 3 \end{array}$$

Complete.

17. $\underline{1} \times 3 = 3$

18. $\underline{8} \times 8 = 64$

19. $6 \times \underline{4} = 24$

20. $7 \times \underline{\quad} = 42$

Find the result.

21. $1 \times 7 \times 5 =$

22. $2 \times 5 \times 3 =$

23. $9 \times 6 \times 8 =$

24. $(2 + 6) \times 4 =$

25. $5 + (5 \times 9) =$

26. $100 - (4 \times 19) =$

Solve.

27. 12 eggs are in each carton.
How many eggs are in
5 cartons? 6028. A carton of eggs costs
\$1.35. How much do 5
cartons cost? \$6.7529. The cake sale had 27 angel
food cakes. 8 egg-whites
were used for each cake.
How many eggs were
needed? 21630. Angel food cakes sell for
\$4.96. How much will 7
cakes cost? \$34.72

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____

29. _____

30. _____

Choose the correct answer.

- | | | | | | | |
|-----|---|------------|-------------|-------------|---------------|-----------|
| 1. | $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$ | (a) 9 | (b) 15 | (c) 20 | (d) 30 | 1. _____ |
| 2. | $\begin{array}{r} 30 \\ \times 7 \\ \hline \end{array}$ | (a) 217 | (b) 307 | (c) 210 | (d) 37 | 2. _____ |
| 3. | $\begin{array}{r} 600 \\ \times 2 \\ \hline \end{array}$ | (a) 120 | (b) 1200 | (c) 1222 | (d) 602 | 3. _____ |
| 4. | $\begin{array}{r} 91 \\ \times 4 \\ \hline \end{array}$ | (a) 364 | (b) 95 | (c) 274 | (d) 354 | 4. _____ |
| 5. | $\begin{array}{r} \$6.07 \\ \times 5 \\ \hline \end{array}$ | (a) \$6.12 | (b) \$3035 | (c) \$30.85 | (d) \$30.35 | 5. _____ |
| 6. | $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$ | (a) 15 | (b) 54 | (c) 56 | (d) 48 | 6. _____ |
| 7. | $\begin{array}{r} 60 \\ \times 9 \\ \hline \end{array}$ | (a) 560 | (b) 54 | (c) 69 | (d) 540 | 7. _____ |
| 8. | $\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$ | (a) 0 | (b) 6 | (c) 60 | (d) no answer | 8. _____ |
| 9. | $\begin{array}{r} 100 \\ \times 7 \\ \hline \end{array}$ | (a) 800 | (b) 7000 | (c) 107 | (d) 700 | 9. _____ |
| 10. | $\begin{array}{r} 40 \\ \times 8 \\ \hline \end{array}$ | (a) 48 | (b) 320 | (c) 360 | (d) 3200 | 10. _____ |
| 11. | $\begin{array}{r} 500 \\ \times 9 \\ \hline \end{array}$ | (a) 450 | (b) 4500 | (c) 509 | (d) 4000 | 11. _____ |
| 12. | $\begin{array}{r} 209 \\ \times 6 \\ \hline \end{array}$ | (a) 1314 | (b) 215 | (c) 1236 | (d) 1254 | 12. _____ |
| 13. | $\begin{array}{r} \$9.76 \\ \times 4 \\ \hline \end{array}$ | (a) \$3904 | (b) \$36.84 | (c) \$39.04 | (d) \$9.80 | 13. _____ |
| 14. | $\begin{array}{r} 763 \\ \times 4 \\ \hline \end{array}$ | (a) 2842 | (b) 2852 | (c) 3052 | (d) 767 | 14. _____ |
| 15. | $\begin{array}{r} \$0.78 \\ \times 7 \\ \hline \end{array}$ | (a) \$5.46 | (b) \$5.44 | (c) \$546 | (d) \$0.85 | 15. _____ |

16. $9 \times \underline{\quad} = 54$

- (a) 6 (b) 7 (c) 45 (d) 486

16. _____

17. $7 \times \underline{\quad} = 56$

- (a) 8 (b) 6 (c) 7 (d) 9

17. _____

18. _____

19. _____

20. _____

18. $\underline{\quad} \times 8 = 48$

- (a) 40 (b) 6 (c) 7 (d) 384

21. _____

22. _____

23. _____

19. $6 \times 9 \times 3$

- (a) 54 (b) 168 (c) 18 (d) 162

24. _____

25. _____

26. _____

20. $5 \times (8 - 3)$

- (a) 10 (b) 55 (c) 37 (d) 25

27. _____

21. $(270 + 38) \times 6$

- (a) 498 (b) 1908 (c) 1848 (d) 1808

22. $4 \times 1 \times 2 \times 2$

- (a) 9 (b) 20 (c) 16 (d) 24

23. $9 \times 8 \times 7 \times 0$

- (a) 0 (b) 504 (c) 5040 (d) 24

24. $(1000 - 225) \times 4$

- (a) 100 (b) 3100 (c) 2880 (d) 3500

25. A case of motor oil has 24 cans. Joyce bought 9 cases.
How many cans did Joyce buy?

- (a) 33 (b) 216 (c) 206 (d) 186

26. A can of motor oil costs \$1.37. How much would 4 cans cost?

- (a) \$4.48 (b) \$5.48 (c) \$4.28 (d) \$548

27. A box of pencils has 144 pencils. How many pencils are there
in 6 boxes?

- (a) 864 (b) 150 (c) 138 (d) 644

Write the complete family of facts for each group of numbers.

1.

8×5	5×8
$8 \overline{)40}$	$5 \overline{)40}$

2. 4, 7, and 28

Divide. Show the multiplication fact you use.

3. $5 \overline{)10}$

4. $9 \overline{)27}$

5. $6 \overline{)36}$

6. $3 \overline{)18}$

Write the quotient.

7. $4 \overline{)16}$

8. $3 \overline{)21}$

9. $5 \overline{)30}$

10. $9 \overline{)45}$

11. $8 \overline{)160}$

12. $7 \overline{)630}$

Solve.

13. The product is 72. One factor is 8. What is the other factor?

14. 7 beads go on a necklace. There are 42 beads. How many necklaces can be made?

Divide. Show the quotient and the remainder.

15. $7 \overline{)50}$

16. $6 \overline{)51}$

17. $2 \overline{)19}$

18. $4 \overline{)39}$

Solve.

19. John has 32 stamps to give away. He gives an equal number to each of 6 friends. How many stamps does each friend receive? How many are left over?

20. Each game needs 4 players. There are 35 people. How many games can be played at one time? How many people will not be able to play?

1. _____

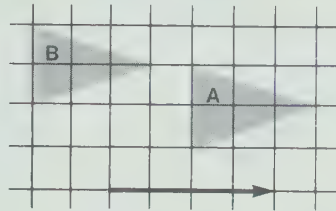
Choose the correct answer.

1. Which shows the family of facts for 3, 8, and 24?
 (a) $3 \times 8 = 24$ (b) $24 \div 8 = 3$ (c) $24 \div 8 = 3$ (d) $3 \times 8 = 24$
 $8 \times 3 = 24$ $24 \div 6 = 4$ $24 \div 3 = 8$ $8 \times 3 = 24$
 $6 \times 4 = 24$ $4 \times 6 = 24$ $3 \times 8 = 24$ $3 + 8 = 11$
 $4 \times 6 = 24$ $3 \times 8 = 24$ $8 \times 3 = 24$ $8 + 3 = 11$
2. Which multiplication is used for $9 \overline{)27}$?
 (a) 9×4 (b) 9×5 (c) 9×3 (d) 9×27
3. Which is not one of the family of facts for the numbers 2, 6, and 12?
 (a) $2 \overline{)3}$ (b) $2 \overline{)12}$ (c) $6 \times 2 = 12$ (d) $6 \overline{)2}$
4. Which fact completes this family of facts?
 $3 \times 6 = 18$
 $6 \times 3 = 18$
 $18 \div 6 = 3$
 (a) $2 \times 9 = 18$ (b) $18 \div 3 = 6$ (c) $18 \times 3 = 54$ (d) $6 \div 3 = 2$
5. Which multiplication is used for $7 \overline{)28}$?
 (a) 2×14 (b) 7×3 (c) 7×5 (d) 7×4
6. Which multiplication is used for $6 \overline{)54}$?
 (a) 9 (b) 6×9 (c) 6×54 (d) 6×8
7. $7 \overline{)42}$ (a) 5 (b) 8 (c) 7 (d) 6
8. $4 \overline{)160}$ (a) 25 (b) 4 (c) 40 (d) 140
9. $7 \overline{)50}$ (a) 7 R1 (b) 8 R2 (c) 7 R3 (d) 1 R7
10. $6 \overline{)24}$ (a) 30 (b) 8 (c) 3 (d) 4
11. $9 \overline{)360}$ (a) 12 (b) 40 (c) 10 (d) 4
12. $3 \overline{)12}$ (a) 36 (b) 15 (c) 4 (d) 3
13. $3 \overline{)23}$ (a) 7 R2 (b) 5 R3 (c) 7 R3 (d) 2 R7

14. $7 \overline{)630}$ (a) 90 (b) 9 (c) 80 (d) 70 14. _____
15. $6 \overline{)40}$ (a) 4 R6 (b) 240 (c) 7 (d) 6 R4 15. _____
16. Larry builds 8 ship models each year. He now has 24 models. How many years has it taken Larry to complete them all? 16. _____
17. Larry has 5 shelves on which to display his 24 models. If he puts the same number on each shelf, how many will be left over? 17. _____
18. 48 children are to form 8 teams equal in size. How many will be on each team? 18. _____
- (a) 16 (b) 2 (c) 3 (d) 4
- (a) 0 (b) 4 (c) 5 (d) 2
- (a) 6 (b) 40 (c) 384 (d) 7

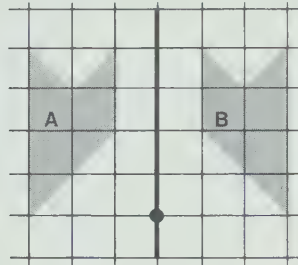
Use tracing paper to test the following.

1. Is shape A the slide image of shape B using the given slide arrow?

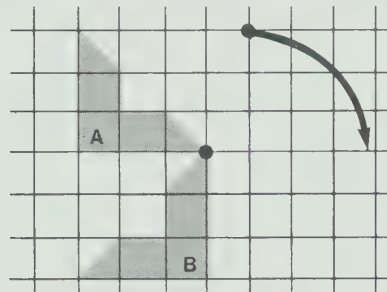


1. _____
2. _____
3. _____
4. _____

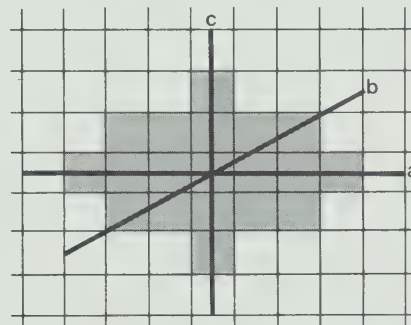
2. Is shape A the flip image of shape B, using the given flip line?



3. Is shape A the turn image of shape B, using the given turn centre and turn arrow?



4. Which of the lines a, b, and c are lines of symmetry?



Use the grid at the right. Draw a point for each number pair.

5. (1,2) Call this A.

6. (1,6) Call this B.

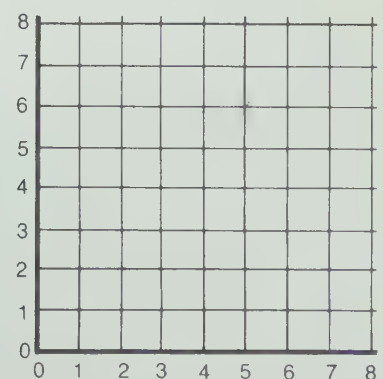
7. (5,6) Call this C.

8. (5,2) Call this D.

Connect your points to form a polygon.

9. What kind of polygon is ABCD?

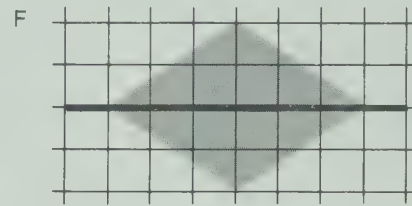
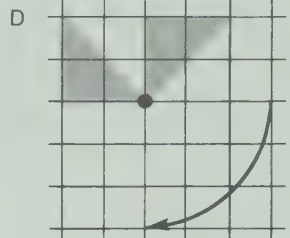
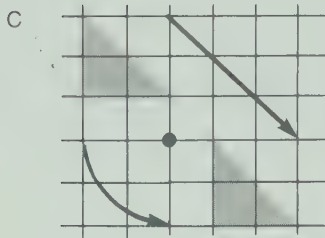
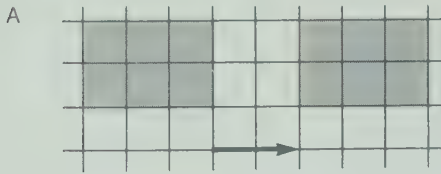
5.-8.



9. _____

Use these pictures for exercises 1 to 4.

1. _____
 2. _____
 3. _____
 4. _____
 5. _____



1. Which picture shows a slide image for the slide arrow shown?

- (a) A (b) B (c) C (d) E

2. Which picture shows a flip image for the flip line shown?

- (a) A (b) C (c) D (d) E

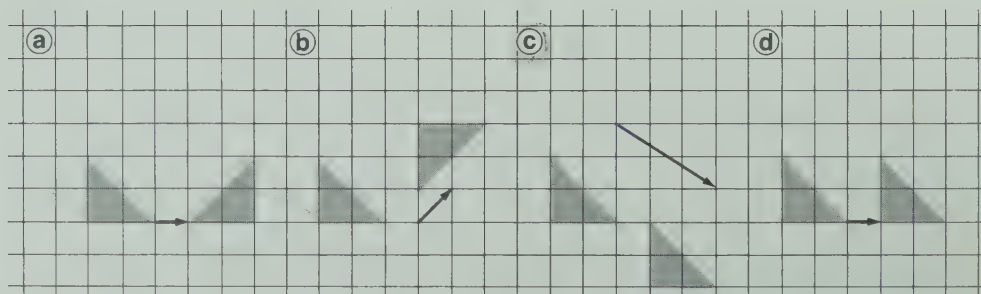
3. Which picture shows a turn image for the turn centre and turn arrow shown?

- (a) B (b) C (c) D (d) E

4. Which picture shows a line of symmetry?

- (a) B (b) C (c) D (d) F

5. Which picture shows a slide image for the slide arrow shown?

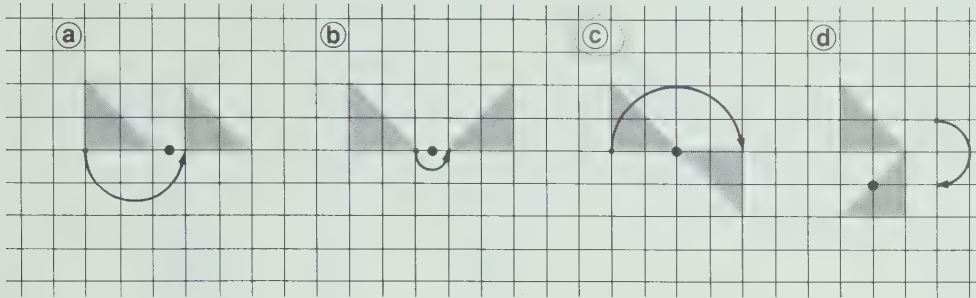


6. Which picture shows a turn image for the turn centre and turn arrow shown?

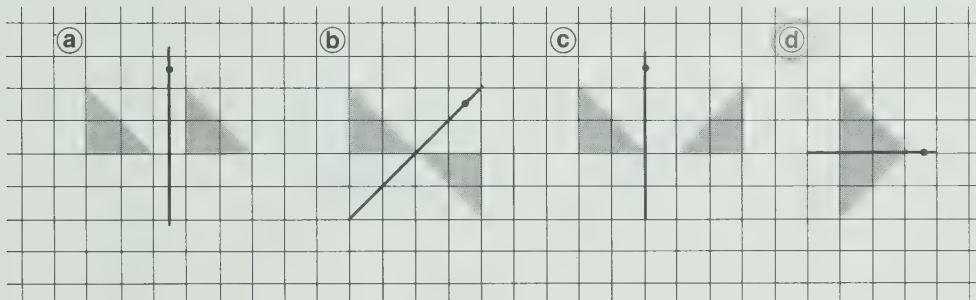
6. _____

7. _____

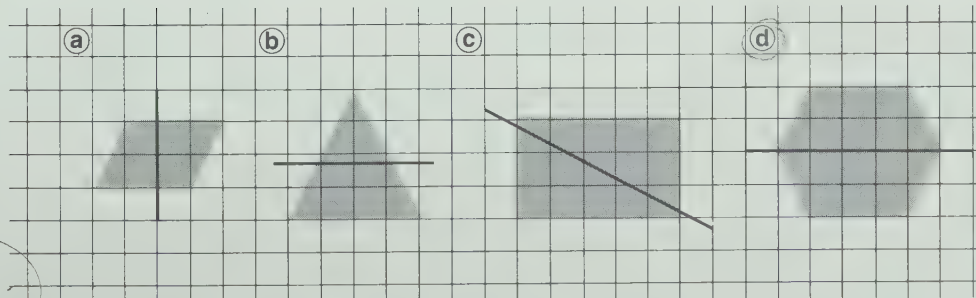
8. _____



7. Which picture shows a flip image for the flip line shown?



8. Which picture shows a line of symmetry?

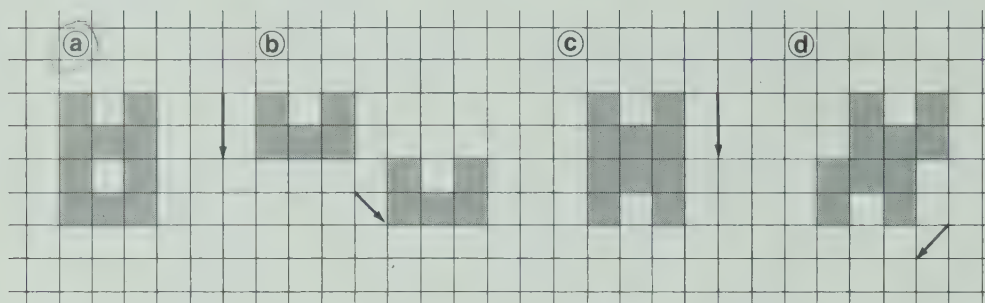


9. Which picture shows a slide image for the slide arrow shown?

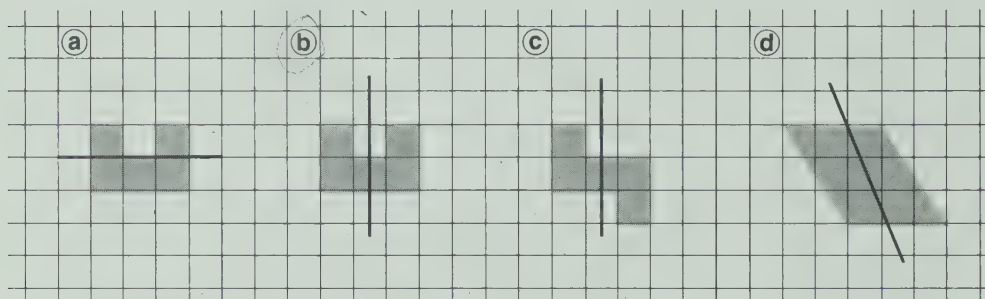
9. _____

10. _____

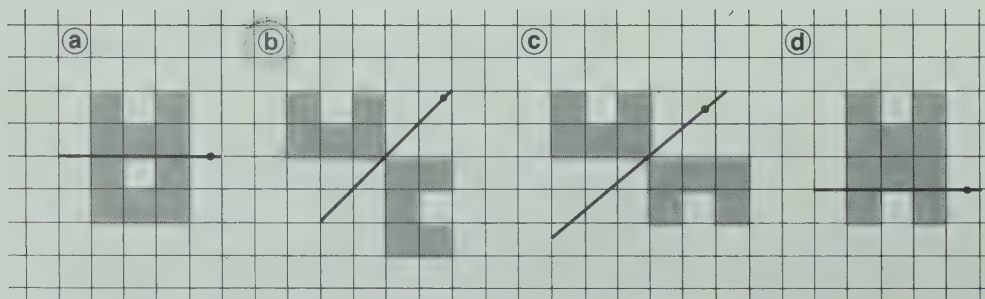
11. _____



10. Which picture shows a line of symmetry?



11. Which picture shows a flip image for the flip line shown?



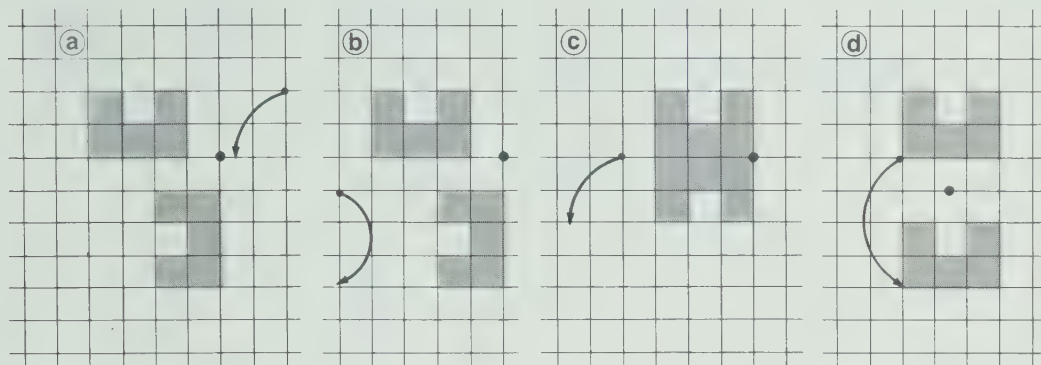
12. Which picture shows a turn image for the turn centre and turn arrow shown?

12. _____

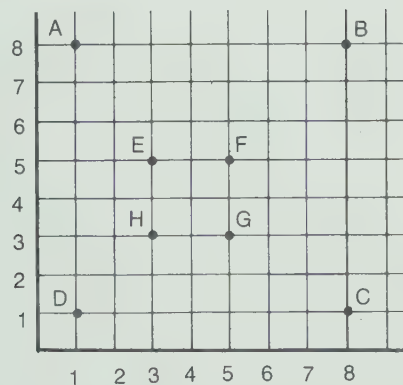
13. _____

14. _____

15. _____



Use this grid for exercises 13 to 15.



13. Which number pair names point C?

(a) (8,8) (b) (8,1) (c) (1,8) (d) (8,0)

14. Which letter names the point (5,3) on the grid?

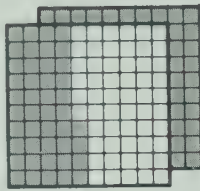
(a) G (b) F (c) H (d) E

15. Draw $(3,3) \rightarrow (1,1) \rightarrow (8,1) \rightarrow (3,3)$. Which polygon did you draw?

(a) quadrilateral HGCD (b) triangle HDC
(c) triangle HGC (d) triangle HDA

Write a decimal to match the picture.

1.



1. _____

2. _____

3. _____

Write a decimal for the point marked with an arrow.

2.



4. _____

5. _____

Write the words.

Write as a two-place decimal.

6. _____

7. _____

8. _____

9. _____

Complete.

6. 0.78 shows _____ tenths 8 hundredths, or _____ hundredths.

7. 3 dollars 35 pennies are worth \$_____.

8. Seventeen dimes and two pennies are worth \$_____.

List these numbers in order from greatest to least.

9. 4.19, 0.94, 4.91, 0.41, 1.49

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Add.

$$\begin{array}{r} 10. \quad 6.8 \\ \quad 1.7 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 1.49 \\ \quad 1.51 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 3.56 \\ \quad 0.03 \\ \quad 0.72 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} 13. \quad 5.1 \\ \quad 4.9 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 1.93 \\ \quad .85 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 3.04 \\ \quad 1.35 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 16. \quad 0.3 \\ \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 2.8 \\ \quad 3 \\ \hline \end{array}$$

Round each to the nearest whole number.

18. 3.6

19. 1.5

20. 7.1

Choose the correct answer.

1. _____

1. Which decimal matches the picture?

2. _____



3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

- (a) 0.7 (b) 2.3 (c) 2.7 (d) 2.07

2. Which decimal names the point marked with an arrow?



- (a) 0.8 (b) 1.8 (c) 1.08 (d) 18

3. Which is a decimal for seventeen and seven-hundredths?

- (a) 17.7 (b) 1.77 (c) 17.07 (d) 0.17

4. Which shows 0.4 as a two-place decimal?

- (a) 0.04 (b) 4.00 (c) 40. (d) 0.40

5. Which shows 2.70 as a one-place decimal?

- (a) 2.1 (b) 27.0 (c) 2.7 (d) 0.27

6. 16.08 shows _____ tenths.

- (a) 1 (b) 6 (c) 0 (d) 8

7. 2 dollars 15 dimes are worth _____.

- (a) \$3.50 (b) \$2.50 (c) \$2.15 (d) \$3.15

8. 3 dimes 16 pennies have the same value as _____ dimes 6 pennies.

- (a) 19 (b) 5 (c) 4 (d) 13

9. Which is not a true statement?

- (a) $1.70 < 1.90$ (b) $1.70 < 1.97$
(c) $1.70 < 1.09$ (d) $1.70 < 1.79$

10. Which list shows the numbers in order from greatest to least?

(a) 4.91
4.82
4.08
4.70
4.68

(b) 4.08
4.68
4.70
4.82
4.91

(c) 4.91
4.82
4.70
4.68
4.08

(d) 4.68
4.08
4.82
4.91
4.70

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

11. Which shows 5.8 rounded to the nearest whole number?

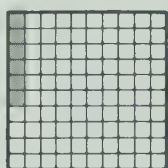
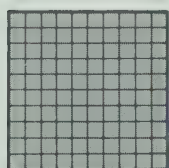
(a) 5

(b) 9

(c) 6

(d) 8

12. Which decimal matches the picture?



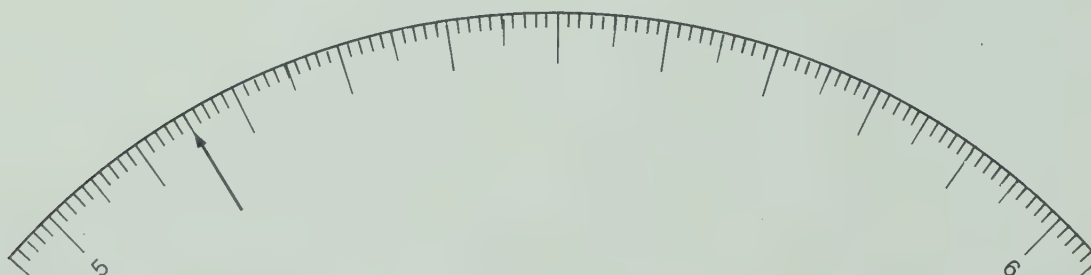
(a) 1.6

(b) 1.06

(c) 0.06

(d) 1.60

13. Which decimal names the point marked with an arrow?



(a) 0.15

(b) 1.5

(c) 5.15

(d) 5.2

14. Which words name 13.2?

(a) one hundred thirty-two

(b) thirteen and two-hundredths

(c) thirty-one and two tenths

(d) thirteen and two-tenths

15. Which shows 3.6 as a two-place decimal?

(a) 3.60

(b) 3.06

(c) 0.36

(d) 36.

16. Which shows 0.30 as a one-place decimal?

(a) 0.03

(b) 3.0

(c) 30.0

(d) 0.3

17. 3.09 shows _____ hundredths.

17. _____

- (a) 90 (b) 9 (c) 39 (d) 0

18. _____

18. 4 dollars 8 dimes and 6 pennies are worth _____.

19. _____

- (a) \$4.68 (b) \$48.60 (c) \$486 (d) \$4.86

20. _____

19. Which have the same value as 2 dollars 11 dimes and 14 pennies?

21. _____

- (a) 3 dollars 12 dimes and 4 pennies

22. _____

- (b) 2 dollars 2 dimes and 4 pennies

23. _____

- (c) 3 dollars 2 dimes and 4 pennies

- (d) 3 dollars 1 dime and 4 pennies

20. Which is a true statement?

- (a) $14.02 > 14.20$ (b) $14.20 > 41.02$

- (c) $14.2 < 14.02$ (d) $14.02 < 14.20$

21. Which list shows the numbers in order from least to greatest?

- | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|
| (a) | \$45.00
\$ 5.40
\$ 5.04
\$ 4.50
\$ 4.05 | (b) | \$45.00
\$ 5.40
\$ 4.50
\$ 5.04
\$ 4.05 | (c) | \$ 4.05
\$ 4.50
\$ 5.40
\$ 5.04
\$45.00 | (d) | \$ 4.05
\$ 4.50
\$ 5.04
\$ 5.40
\$45.00 |
|-----|---|-----|---|-----|---|-----|---|

22. Which decimal rounds to 4 as the nearest whole number?

- (a) 4.5 (b) 3.5 (c) 4.8 (d) 3.4

23. Which decimal names the point marked with an arrow?

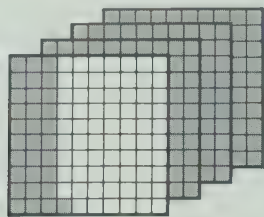


- (a) 4.5 (b) 9 (c) 0.45 (d) 45.0

24. Which shows 4.8 as a two-place decimal?

- (a) 0.48 (b) 4.08 (c) 0.80 (d) 4.80

25. Which decimal matches the picture?



- (a) 3.31 (b) 3.13 (c) 0.31 (d) 3.69

26. Which words name 10.03?

- (a) one hundred three (b) ten and three-hundredths
(c) ten and thirty-hundredths (d) one thousand three

27. 3.50 shows _____ tenths.

- (a) 0 (b) 5 (c) 3 (d) 50

28. Which shows 3.90 as a one-place decimal?

- (a) 3.9 (b) 3.09 (c) 39.0 (d) 390.

29. 7 dollars and 9 pennies are worth _____.

- (a) \$7.90 (b) \$7.09 (c) \$70.90 (d) \$709

30. Which is a true statement?

- (a) $3.14 < 3.41$ (b) $3.14 > 3.41$
(c) $3.41 > 4.13$ (d) $1.34 > 1.43$

31. Which list shows the numbers in order from greatest to least?

- | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|
| (a) | 13.02
13.20
21.30
23.10
31.02 | (b) | 31.02
23.10
21.30
13.20
13.02 | (c) | 13.02
31.02
21.30
13.20
23.10 | (d) | 31.02
23.10
21.30
13.02
13.20 |
|-----|---|-----|---|-----|---|-----|---|

32. Which have the same value as 14 dimes and 7 pennies?

- Ⓐ 1 dollar 4 dimes and 7 pennies Ⓑ 4 dimes and 17 pennies
 Ⓒ 1 dollar 14 dimes and 7 pennies Ⓓ 14 dollars and 7 pennies

32. _____

33. _____

34. _____

35. _____

36. _____

37. _____

33. Which decimal does not round to 8 as the nearest whole number?

- Ⓐ 8.7 Ⓑ 7.8 Ⓒ 8.1 Ⓓ 7.5

38. _____

39. _____

34.
$$\begin{array}{r} 9.5 \\ + 1.6 \\ \hline \end{array}$$
 Ⓐ 11.1 Ⓑ 10.1 Ⓒ 1.11 Ⓓ 10.11

40. _____

41. _____

42. _____

35.
$$\begin{array}{r} 2.7 \\ - 1.8 \\ \hline \end{array}$$
 Ⓐ 1.9 Ⓑ 1.1 Ⓒ 4.5 Ⓓ 0.9

36.
$$\begin{array}{r} 5.7 \\ \times 3 \\ \hline \end{array}$$
 Ⓐ 8.7 Ⓑ 17.1 Ⓒ 6.0 Ⓓ 15.1

37.
$$\begin{array}{r} 7.00 \\ - 4.68 \\ \hline \end{array}$$
 Ⓐ 11.68 Ⓑ 3.68 Ⓒ 2.32 Ⓓ 3.32

38.
$$\begin{array}{r} 1.6 \\ \times 5 \\ \hline \end{array}$$
 Ⓐ 80 Ⓑ 6.6 Ⓒ 5.0 Ⓓ 8.0

39.
$$\begin{array}{r} 7.4 \\ \times 8 \\ \hline \end{array}$$
 Ⓐ 15.4 Ⓑ 59.2 Ⓒ 56.2 Ⓓ 592

40.
$$\begin{array}{r} 5.33 \\ + 13.08 \\ \hline \end{array}$$
 Ⓐ 1841 Ⓑ 7.75 Ⓒ 18.31 Ⓓ 18.41

41.
$$\begin{array}{r} 81.14 \\ - 17.39 \\ \hline \end{array}$$
 Ⓐ 63.75 Ⓑ 98.53 Ⓒ 76.25 Ⓓ 74.85

42.
$$\begin{array}{r} 4.14 \\ 0.38 \\ + 17.29 \\ \hline \end{array}$$
 Ⓐ 21.81 Ⓑ 2181 Ⓒ 21.61 Ⓓ 216.21

Use a centimetre ruler to measure the line segment. Give its length in centimetres.

1. _____

1. _____

2. _____

3. _____

4. _____

Write the number that completes each sentence.

2. 372 cm = _____ m

3. 0.6 m = _____ cm

5. _____

4. 5 km = _____ m

5. 150 cm = _____ dm

6. _____

6. 10 dm = _____ m

7. 2000 m = _____ km

7. _____

8. _____

9. _____

Which unit, the centimetre, the metre, or the kilometre would be best for measuring each of these?

8. the height from floor to ceiling

9. the length of your thumb

10. the distance from Ottawa to Winnipeg

10. _____

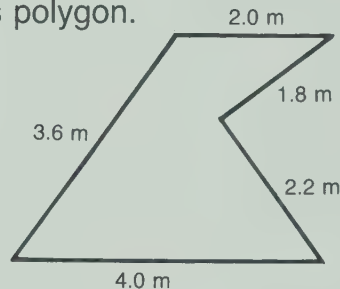
11. _____

12. _____

13. Show your answer on the graph.

Find the perimeter of this polygon.

11.



14. _____

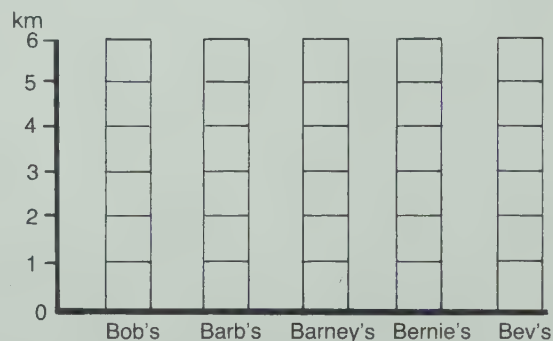
15. _____

Solve.

12. A rectangle has one side 350 cm long. It has another side 100 cm long. What is its perimeter?

13. Shade to complete the bar graph using the given information.

School is 5 km from Bob's house, 3 km from Barb's, 4 km from Barney's, 1 km from Bernie's, and 6 km from Bev's.



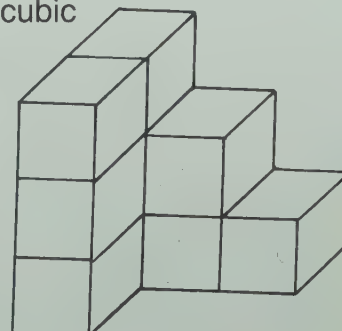
Give the area in square centimetres.

14.



Give the volume in cubic centimetres.

15.



Choose the correct answer.

1. How long is this paper clip?



- (a) 4 cm (b) 40 cm (c) 0.4 cm (d) 4 dm

2. 8 km = _____ m

- (a) 8000 (b) 800 (c) 80 (d) 800.0

3. 1.24 m = _____ cm

- (a) 124 (b) 12.4 (c) 0.124 (d) 1240

4. 55 dm = _____ m

- (a) 0.55 (b) 5.5 (c) 55.0 (d) 550

Which unit would be best for measuring each?

5. the distance from Halifax to Tokyo, Japan

- (a) centimetre (b) decimetre (c) metre (d) kilometre

6. the length of your classroom

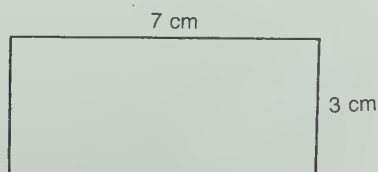
- (a) centimetre (b) metre (c) square metre (d) kilometre

7. the width of a dollar bill

- (a) kilometre (b) centimetre (c) metre (d) gram

8. Which is the perimeter of this rectangle?

- (a) 10 cm (b) 21 cm (c) 20 cm (d) 16 cm



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



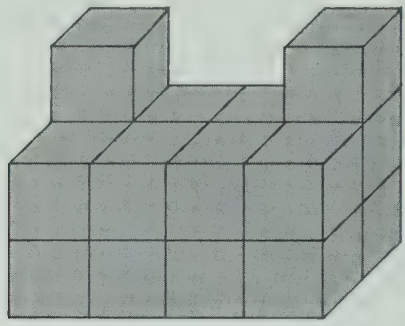
9. Which is the area of this shape?



- (a) 8 cm^2 (b) 15 cm^2 (c) 16 cm^2 (d) 5 cm^2

9. _____
10. _____
11. _____
12. _____
13. _____

10. Which is the volume of this shape in cubic centimetres?

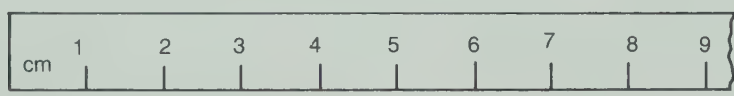


- (a) 16 (b) 24 (c) 18 (d) 17

11. Which is the perimeter of a square with sides 6 m long?

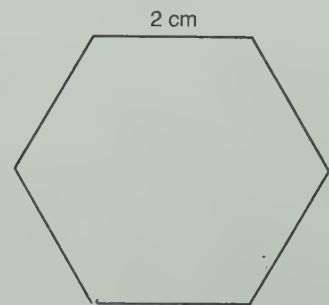
- (a) 36 m (b) 6 m (c) 24 m (d) 12 m

12. How long is the earthworm?



- (a) 0.7 cm (b) 70 cm (c) 7 dm (d) 7 cm

13. Which is the perimeter of this regular (all sides equal) hexagon?



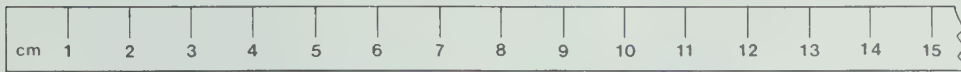
- (a) 2 cm (b) 8 cm (c) 12 cm (d) 12 m

14. How long is this pen?

14. _____

15. _____

16. _____



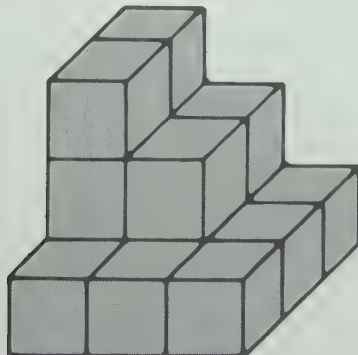
- (a) 1.4 cm (b) 140 cm (c) 14 cm (d) 14 dm

15. Which is the area of this shape?



- (a) 16 cm^2 (b) 32 cm^2 (c) 20 cm^2 (d) 12 cm^2

16. Which is the volume of this shape in cubic centimetres?



- (a) 10 (b) 22 (c) 14 (d) 15



17. A field has sides 2.8 km, 2.1 km, 2.6 km, and 1.9 km in length.
Which is the perimeter of the field?

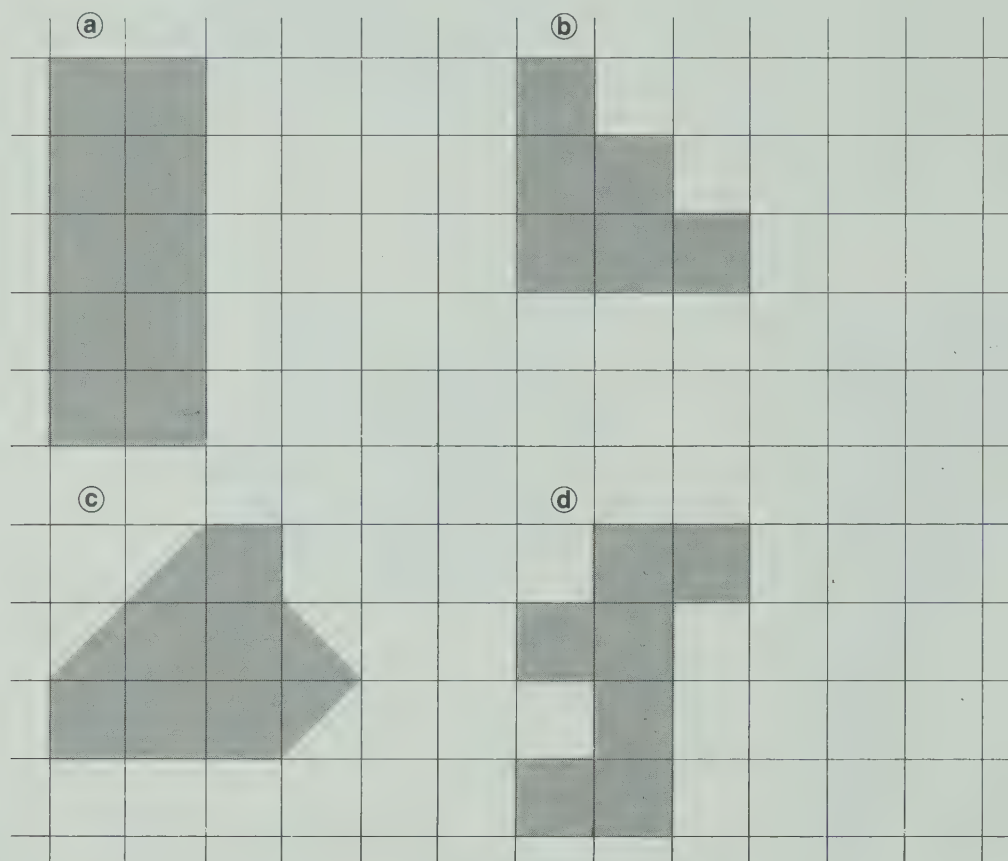
(a) 7.4 km (b) 94 km (c) 8.4 km (d) 9.4 km

17. _____

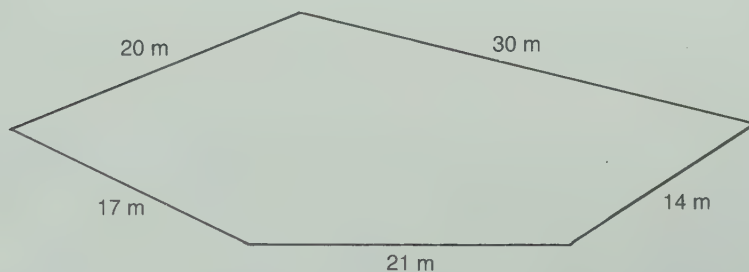
18. _____

19. _____

18. Which shape has an area of 7 cm^2 ?

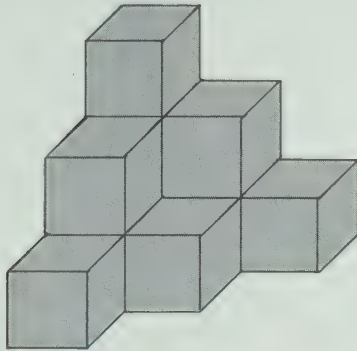


19. Which is the perimeter of this shape?



(a) 102 m (b) 92 m (c) 912 m (d) 100 m

20. Which is the volume of this shape in cubic centimetres?

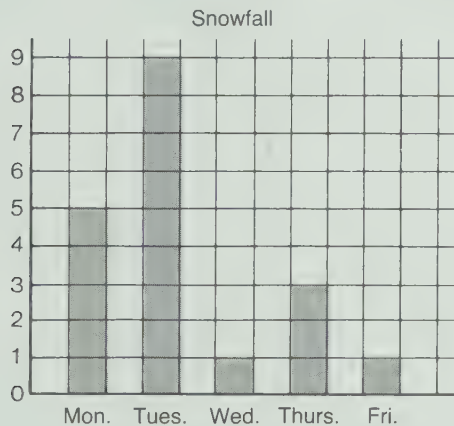


- (a) 10 (b) 6 (c) 18 (d) 8

21. The floor of a rabbit's pen is the shape of a rectangle. It is 5.5 m long and 3.2 m wide. Which is its perimeter?

- (a) 8.7 m (b) 17.4 m (c) 16.4 m (d) 174 m

Use this graph for exercises 22 to 24.



22. Which day had the greatest snowfall?

- (a) Friday (b) Thursday (c) Tuesday (d) Monday

23. How much was the snowfall on Friday?

- (a) 10 cm (b) 5 cm (c) 0 cm (d) 1 cm

24. How many days had snowfall greater than Friday's?

- (a) 4 (b) 3 (c) 5 (d) 2

Choose the best estimate for the product.

$$\begin{array}{r} 1. \ 783 \\ \underline{9} \end{array}$$

720
7200
8000

1. _____

2. _____

3. _____

4. _____

5. _____

Round the two-digit number to the nearest ten.

Then multiply to estimate the product.

$$2. \ 5 \times 46$$

6. _____

7. _____

8. _____

Round the three-digit number to the nearest hundred.

Then multiply to estimate the product.

$$3. \ 7 \times 234$$

9. _____

10. _____

11. _____

12. _____

Multiply.

$$4. \ 4 \times 521$$

$$5. \ 3 \times 87$$

$$6. \ 8 \times 207$$

13. _____

14. _____

$$7. \ 2 \times 62$$

$$8. \ 30 \times 69$$

$$9. \ 40 \times 200$$

15. _____

$$10. \begin{array}{r} 52 \\ \underline{70} \end{array}$$

$$11. \begin{array}{r} 615 \\ \underline{90} \end{array}$$

$$12. \begin{array}{r} 74 \\ \underline{14} \end{array}$$

$$13. \begin{array}{r} 38 \\ \underline{25} \end{array}$$

16. _____

17. _____

18. _____

$$14. \begin{array}{r} 109 \\ \underline{32} \end{array}$$

$$15. \begin{array}{r} 476 \\ \underline{65} \end{array}$$

$$16. \begin{array}{r} \$1.39 \\ \underline{40} \end{array}$$

$$17. \begin{array}{r} \$6.80 \\ \underline{18} \end{array}$$

19. _____

20. _____

Solve.

18. The ferry can carry 79 passengers. How many can ride in 28 trips?

19. Tickets cost \$18. How much do 17 tickets cost?

20. The ferry uses 235 L of gasoline to make a trip. How many litres of gasoline will it use in the 28 trips it makes each week?

Choose the correct answer.

1. Which is the best estimate?

$$\begin{array}{r} 49 \\ \times 7 \\ \hline \end{array}$$

- (a) 280 (b) 350 (c) 630 (d) 2800

2. Which is the best estimate?

$$\begin{array}{r} 807 \\ \times 9 \\ \hline \end{array}$$

- (a) 6300 (b) 7200 (c) 720 (d) 8000

3. Which is the best estimate?

$$\begin{array}{r} 612 \\ \times 5 \\ \hline \end{array}$$

- (a) 3500 (b) 300 (c) 3000 (d) 6000

$$\begin{array}{r} 23 \\ \times 4 \\ \hline \end{array}$$

- (a) 92 (b) 82 (c) 96 (d) 812

$$\begin{array}{r} 183 \\ \times 3 \\ \hline \end{array}$$

- (a) 349 (b) 549 (c) 949 (d) 539

$$\begin{array}{r} 52 \\ \times 30 \\ \hline \end{array}$$

- (a) 1506 (b) 82 (c) 1560 (d) 1562

$$\begin{array}{r} 296 \\ \times 60 \\ \hline \end{array}$$

- (a) 356 (b) 12 460 (c) 17 766 (d) 17 760

$$\begin{array}{r} 54 \\ \times 41 \\ \hline \end{array}$$

- (a) 270 (b) 2114 (c) 95 (d) 2214

$$\begin{array}{r} 501 \\ \times 78 \\ \hline \end{array}$$

- (a) 39 858 (b) 7515 (c) 3978 (d) 39 078

$$\begin{array}{r} 73 \\ \times 8 \\ \hline \end{array}$$

- (a) 564 (b) 81 (c) 5624 (d) 584

$$\begin{array}{r} 407 \\ \times 6 \\ \hline \end{array}$$

- (a) 2502 (b) 413 (c) 2442 (d) 2402

$$\begin{array}{r} 86 \\ \times 20 \\ \hline \end{array}$$

- (a) 172 (b) 160 (c) 1620 (d) 1720

$$\begin{array}{r} 700 \\ \times 70 \\ \hline \end{array}$$

- (a) 49 000 (b) 4900 (c) 14 000 (d) 490

$$\begin{array}{r} 64 \\ \times 9 \\ \hline \end{array}$$

- (a) 576 (b) 546 (c) 816 (d) 73

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

15. $\begin{array}{r} \$2.16 \\ \times 50 \\ \hline \end{array}$ (a) \$105.00 (b) \$108.00 (c) \$10.80 (d) \$52.16

15. _____

16. _____

16. $\begin{array}{r} 576 \\ \times 8 \\ \hline \end{array}$ (a) 4068 (b) 4608 (c) 584 (d) 4588

17. _____

18. _____

17. $\begin{array}{r} 87 \\ \times 62 \\ \hline \end{array}$ (a) 5394 (b) 5094 (c) 696 (d) 4984

19. _____

20. _____

18. $\begin{array}{r} \$6.46 \\ \times 35 \\ \hline \end{array}$ (a) \$41.46 (b) \$22 610 (c) \$238.10 (d) \$226.10

21. _____

22. _____

23. _____

19. $\begin{array}{r} 78 \\ \times 40 \\ \hline \end{array}$ (a) 312 (b) 3120 (c) 2820 (d) 280

24. _____

20. $\begin{array}{r} 734 \\ \times 23 \\ \hline \end{array}$ (a) 16 882 (b) 16 872 (c) 3670 (d) 14 612

21. $\begin{array}{r} 92 \\ \times 76 \\ \hline \end{array}$ (a) 6312 (b) 1196 (c) 6992 (d) 6882

22. You save \$7.50 a week out of your summer earnings.
How much do you save in 8 weeks?

- (a) \$15.50 (b) \$56.00 (c) \$60.00 (d) \$56.50

23. A jet airliner holds 429 passengers. How many passengers can it carry on 11 trips?

- (a) 4719 (b) 858 (c) 4619 (d) 440

24. 87 airplanes land each day. How many land in 30 d (days)?

- (a) 117 (b) 240 (c) 2610 (d) 2410

Write the quotient.

1. _____

1. $7 \overline{)42}$

2. $9 \overline{)18}$

3. $6 \overline{)30}$

2. _____

3. _____

Write the quotient and the remainder.

4. _____

5. _____

4. $9 \overline{)75}$

5. $6 \overline{)50}$

6. $8 \overline{)25}$

6. _____

7. _____

Divide.

8. _____

9. _____

7. $7 \overline{)70}$

8. $4 \overline{)48}$

9. $5 \overline{)75}$

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

Divide. Write the remainder after the quotient.

19. $7 \overline{)937}$

20. $4 \overline{)502}$

Solve.

21. 60 stamps were to be shared equally by 5 friends. How many stamps did each get?

22. 249 rocks were to be divided equally among 3 science classes. How many rocks were given to each class?

23. 8 chairs cost \$296. They cost the same amount each. How much did one chair cost?

Find the average.

24. Paul scored 84 points in 7 games.

25. Carol collected \$348 for magazine subscriptions in 4 days.

Choose the correct answer.

- | | | | | | |
|-------------------------|------------|------------|------------|------------|-----------|
| 1. $4 \overline{)24}$ | (a) 4 | (b) 21 | (c) 8 | (d) 6 | 1. _____ |
| 2. $9 \overline{)74}$ | (a) 8 R2 | (b) 2 R8 | (c) 7 R11 | (d) 8 | 2. _____ |
| 3. $9 \overline{)90}$ | (a) 1 | (b) 10 | (c) 100 | (d) 9 | 3. _____ |
| 4. $2 \overline{)64}$ | (a) 37 | (b) 32 | (c) 23 | (d) 42 | 4. _____ |
| 5. $9 \overline{)54}$ | (a) 7 | (b) 486 | (c) 6 | (d) 63 | 5. _____ |
| 6. $4 \overline{)80}$ | (a) 320 | (b) 2 | (c) 21 | (d) 20 | 6. _____ |
| 7. $7 \overline{)47}$ | (a) 7 | (b) 6 | (c) 5 R6 | (d) 6 R5 | 7. _____ |
| 8. $3 \overline{)69}$ | (a) 207 | (b) 23 | (c) 20 | (d) 22 | 8. _____ |
| 9. $3 \overline{)90}$ | (a) 30 | (b) 3 | (c) 31 | (d) 270 | 9. _____ |
| 10. $6 \overline{)36}$ | (a) 6 | (b) 9 | (c) 216 | (d) 42 | 10. _____ |
| 11. $4 \overline{)26}$ | (a) 6 | (b) 6 R2 | (c) 2 R6 | (d) 7 R2 | 11. _____ |
| 12. $4 \overline{)848}$ | (a) 202 | (b) 212 | (c) 211 | (d) 21 | 12. _____ |
| 13. $6 \overline{)96}$ | (a) 11 | (b) 12 R4 | (c) 16 | (d) 19 | 13. _____ |
| 14. $2 \overline{)814}$ | (a) 47 | (b) 402 | (c) 407 | (d) 412 | 14. _____ |
| 15. $5 \overline{)105}$ | (a) 501 | (b) 25 | (c) 20 | (d) 21 | 15. _____ |
| 16. $8 \overline{)904}$ | (a) 115 R2 | (b) 113 | (c) 102 | (d) 11 R6 | 16. _____ |
| 17. $5 \overline{)80}$ | (a) 400 | (b) 1 R3 | (c) 16 | (d) 14 | 17. _____ |
| 18. $8 \overline{)248}$ | (a) 421 | (b) 38 | (c) 30 | (d) 31 | 18. _____ |
| 19. $3 \overline{)942}$ | (a) 310 R2 | (b) 2826 | (c) 314 | (d) 312 | 19. _____ |
| 20. $4 \overline{)857}$ | (a) 212 R1 | (b) 215 R3 | (c) 214 R1 | (d) 211 R3 | 20. _____ |
| 21. $3 \overline{)189}$ | (a) 63 | (b) 603 | (c) 323 | (d) 61 | 21. _____ |
| 22. $3 \overline{)84}$ | (a) 28 | (b) 21 R1 | (c) 252 | (d) 27 | 22. _____ |
| 23. $4 \overline{)828}$ | (a) 27 | (b) 207 | (c) 222 | (d) 202 | 23. _____ |

24. $7 \overline{)399}$ (a) 57 (b) 59 (c) 51 (d) 52 R5 24. _____
25. The total mass of six students is 234 kg. Which is the average mass? 25. _____
(a) 1404 kg (b) 38 kg (c) 36 kg (d) 39 kg 26. _____
27. _____
26. There are 426 bottles of pop. 6 bottles are in one carton.
How many cartons are there? 28. _____
29. _____
30. _____
(a) 701 (b) 70 (c) 131 (d) 71
27. The basketball team scored 266 points in 7 games. Which is the average points per game?
(a) 30 R6 (b) 39 (c) 38 (d) 40
28. 812 books were equally shared by 4 schools. How many books did each school get?
(a) 23 (b) 203 (c) 242 (d) 808
29. Aunt Laura has 252 valuable stamps in her collection.
She places exactly 9 stamps on each page in her stamp book.
How many pages does she use?
(a) 28 (b) 27 (c) 29 (d) 2268
30. 5 bicycles cost \$205 to repair. Which was the average cost?
(a) \$41 (b) \$40 (c) \$200 (d) \$39

Do you measure length, mass, capacity, or time to find

1. how heavy a cup is? 2. how much milk the cup will hold?

Choose the best estimate for

3. the amount of juice in a glass. → 1 mL 500 mL 1 L
 4. the mass of an acorn. → 1 g 500 g 1 kg
 5. the length of a baseball bat. → 1 mm 1 cm 1 m
 6. bedtime. → 07:30 19:45 23:00

Choose the unit that best completes each sentence.

7. The cookies baked in 12 ____.
 8. The pie's diameter is 254 ____.
 9. The button has a mass of 2 ____.
 10. The punchbowl contains 5 ____ of punch.
 11. My bracelet is 20 ____ long.

mm	cm	m	km
g	kg	mL	L
s	min	h	d

Complete.

12. 3 min = ____ s 13. 50 h = ____ d ____ h
 14. 60 d is the same as ____ weeks and ____ d.

Answer.

15. Pauline started her math project at 11:30 a.m. on Saturday. She took 1 hour and 40 minutes to finish it. What time was she finished?

Show this information on the graph.

16. Time it takes Andy to get to school:
 Monday 20 min, Tuesday 25 min,
 Wednesday 25 min,
 Thursday 35 min,
 Friday 20 min



Complete.

17. 1 L 204 mL = ____ mL 18. 2013 mL = ____ L ____ mL
 19. 3 kg 2 g = ____ g 20. 6827 g = ____ kg ____ g

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____
 13. _____
 14. _____
 15. _____
 16. _____

Show your
 answer on
 the graph.

17. _____
 18. _____
 19. _____
 20. _____

Choose the correct answer.

1. _____

1. Which question would you answer using units of length?

2. _____

(a) How long does class last?

3. _____

(b) How thick is the magazine?

4. _____

(c) How heavy is a butterfly?

5. _____

(d) How much water is in a teardrop?

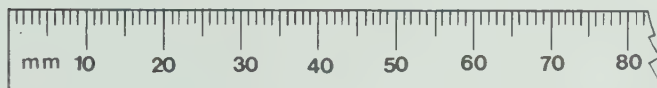
6. _____

7. _____

2. Which time on a 24-hour clock is equivalent to 2:20 p.m. on a 12-hour clock?

(a) 02:20 (b) 12:20 (c) 14:20 (d) 20:20

3. Which is the length of the chalk?



(a) 5.5 mm (b) 55 cm (c) 550 mm (d) 55 mm

4. Which time is 2 h 10 min earlier than 11:50?

(a) 14:00 (b) 09:40 (c) 2:00 p.m. (d) 10:00

5. Which do you measure to find how much milk a straw can hold?

(a) length (b) time (c) mass (d) capacity

6. Which is the width of the stamp?



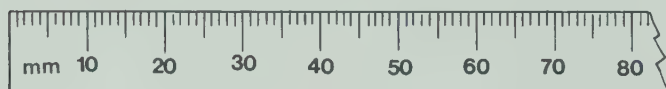
(a) 20 cm (b) 2 mm (c) 20 mm (d) 200 mm

7. Which time is 4 h 25 min later than 8:40 a.m.?

(a) 12:65 p.m. (b) 12:05 p.m. (c) 1:05 p.m. (d) 1:05 a.m.



8. Which do you measure to find how light a paper clip is? 8. _____
 Ⓐ length Ⓑ mass Ⓒ capacity Ⓓ time 9. _____
10. _____
9. Which time is 3 h 40 min earlier than 1:10 p.m.? 11. _____
 Ⓐ 9:30 a.m. Ⓑ 10:30 a.m. Ⓒ 4:50 p.m. Ⓓ 9:50 a.m. 12. _____
13. _____
10. Which is the diameter of the quarter? 14. _____
15. _____
16. _____
17. _____
18. _____



- Ⓐ 24 mm Ⓑ 42 mm Ⓒ 24 cm Ⓓ 2.4 mm
- Which is the best estimate for each measurement?
11. the thickness of a dime
 Ⓐ 1 cm Ⓑ 10 mm Ⓒ 50 mm Ⓓ 1 mm
12. the mass of a prune
 Ⓐ 1 kg Ⓑ 100 g Ⓒ 10 g Ⓓ 1 g
13. the amount of water in a dishpan
 Ⓐ 5 mL Ⓑ 5 L Ⓒ 50 mL Ⓓ 50 L
14. when school ends each day
 Ⓐ 15:30 Ⓑ 19:30 Ⓒ 03:00 Ⓓ 10:00
15. the mass of a paper clip
 Ⓐ 50 g Ⓑ 1 kg Ⓒ 10 g Ⓓ 1 g
16. the length of a TV program
 Ⓐ 1 s Ⓑ 1 min Ⓒ 1 d Ⓓ 1 h
17. the length of a guitar
 Ⓐ 100 mm Ⓑ 100 m Ⓒ 1 m Ⓓ 50 cm
18. the mass of a loaf of bread
 Ⓐ 50 g Ⓑ 500 g Ⓒ 5 g Ⓓ 5 kg

19. the amount of water a thimble will hold 19. _____
(a) 1 L (b) 100 mL (c) 1 mL (d) 50 mL 20. _____
20. the time for supper 21. _____
(a) 5:30 a.m. (b) 5:30 p.m. (c) 9:30 p.m. (d) 9:30 a.m. 22. _____
21. the width of your fingernail 23. _____
(a) 1 cm (b) 1 mm (c) 1 m (d) 10 cm 24. _____
22. the capacity of a soup can 25. _____
(a) 500 mL (b) 50 mL (c) 5 mL (d) 1 L 26. _____
23. 1 d 12 h = _____ h 27. _____
(a) 36 (b) 112 (c) 72 (d) 22 28. _____
24. 3042 mL = _____ L _____ mL 29. _____
(a) 3, 42 (b) 30, 42 (c) 3, 420 (d) 304, 2 30. _____
25. The parking space is 3 _____ long. 31. _____
(a) mm (b) cm (c) m (d) km
26. 2 kg 300 g = _____ g
(a) 20 300 (b) 2003 (c) 2300 (d) 600
27. The spoon holds about 4 _____ of syrup.
(a) km (b) dm (c) mL (d) L
28. 1 L 50 mL = _____ mL
(a) 150 (b) 1500 (c) 1.50 (d) 1050
29. 2053 g = _____ kg _____ g
(a) 2, 530 (b) 20, 53 (c) 205, 3 (d) 2, 53
30. 5 L 420 mL = _____ mL
(a) 425 (b) 5420 (c) 542 (d) 54.20
31. 4 h 10 min = _____ min
(a) 250 (b) 410 (c) 604 (d) 241

32. $5 \text{ kg } 40 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

- (a) 540 (b) 5040 (c) 5400 (d) 54

32. _____

33. _____

33. The mass of a tennis ball is about 45 _____.

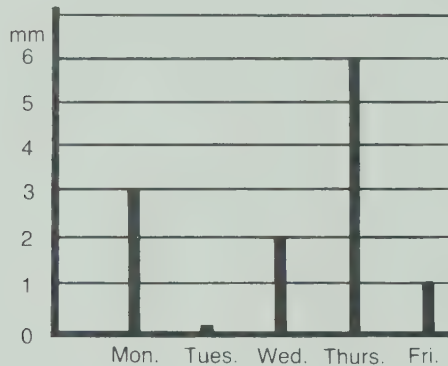
- (a) mm (b) g (c) mL (d) kg

34. _____

35. _____

36. _____

Use this graph for exercises 34 to 36.



34. How much rain fell on Monday, Tuesday, and Wednesday together?

- (a) 12 mm (b) 7 mm (c) 6 mm (d) 5 mm

35. How much more rain fell on Thursday than on Friday?

- (a) 7 mm (b) 5 cm (c) 4 mm (d) 5 mm

36. Which day had the same amount of rain as Wednesday and Friday together?

- (a) Monday (b) Tuesday (c) Wednesday (d) Thursday

Write as a decimal showing tenths.

1. $2\frac{1}{2}$

Write as a decimal showing hundredths.

2. $1\frac{3}{4}$ 3. $\frac{7}{10}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

Write a fraction to complete each sentence. Use fourths or one-half when possible.

4. $3.25 = \underline{\hspace{1cm}}$

5. $1.9 = \underline{\hspace{1cm}}$

6. $0.5 = \underline{\hspace{1cm}}$

Use $<$, $>$, or $=$ to make true statements.

7. $\frac{10}{10} \ominus 1$

8. $\frac{1}{2} \ominus 0.4$

9. $\frac{7}{10} \ominus 0.75$

10. $\frac{1}{4} \ominus \frac{3}{10}$

List in order from least to greatest.

11. $\frac{1}{4}, \frac{1}{10}, \frac{1}{2}, \frac{3}{10}$

Add.

12. $\frac{2}{10} + \frac{7}{10}$

13. $3\frac{3}{4} + \frac{1}{4}$

14. $1\frac{1}{2}$

15. $7\frac{1}{4}$

$\underline{2\frac{1}{2}}$

$\underline{3\frac{2}{4}}$

Subtract.


16. $4 - 1\frac{1}{4}$

17. $7\frac{9}{10}$

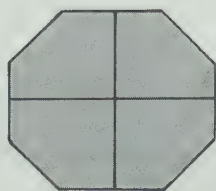
18. $6\frac{3}{4}$

$\underline{5\frac{3}{10}}$

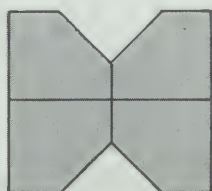
$\underline{2\frac{3}{4}}$

19. If  is $\frac{1}{4}$, which of these shows 1?

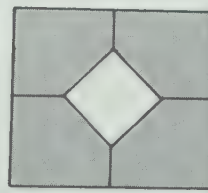
A.



B.



C.





Choose the correct answer.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1. Which is $1\frac{1}{4}$ as a decimal?

(a) 1.14

(b) 1.25

(c) 1.75

(d) 1.50

2. $0.6 - \frac{3}{4}$

(a) >

(b) <

(c) =

(d) +

3. If  is $\frac{1}{4}$, which picture shows 1?

(a)



(b)



(c)



(d)



4. Which is a name for 0.7?

(a) $\frac{3}{4}$

(b) 7

(c) $\frac{7}{100}$ (d) $\frac{7}{10}$ 5. $\frac{1}{4} - \frac{2}{10}$

(a) >

(b) <

(c) =

(d) +

6. Which is $4\frac{1}{2}$ as a decimal?

(a) 4.2

(b) 4.12

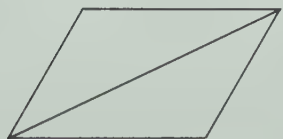
(c) 4.05

(d) 4.5

7. If

is $\frac{1}{2}$, which picture shows 1?

(a)



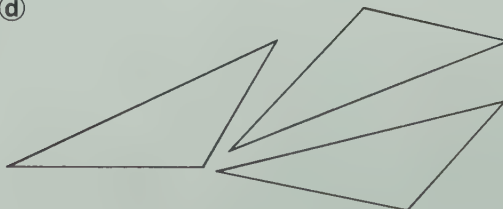
(b)



(c)



(d)



8. Which is a name for 3.25?

- (a) $3\frac{1}{4}$ (b) $32\frac{5}{10}$ (c) $3\frac{1}{2}$ (d) $3\frac{3}{4}$

8. _____

9. _____

10. _____

9. Which is least?

- (a) 0.4 (b) $\frac{1}{2}$ (c) 0.25 (d) $\frac{1}{10}$

11. _____

12. _____

10. Which is $5\frac{3}{4}$ as a decimal?

- (a) 5.75 (b) 5.34 (c) 0.75 (d) 5.25

13. _____

14. _____

15. _____

11. Which is another name for 1?

- (a) $\frac{2}{4}$ (b) $\frac{4}{4}$ (c) $1\frac{10}{10}$ (d) $\frac{4}{2}$

16. _____

17. _____

18. _____

12. Which is not a name for 0.50?

- (a) $\frac{1}{2}$ (b) 0.5 (c) 5 hundredths (d) $\frac{2}{4}$

$$\begin{array}{r} 13. \quad 1\frac{1}{10} \\ + 1\frac{2}{10} \\ \hline \end{array}$$

(a) $3\frac{3}{10}$

(b) $2\frac{3}{20}$

(c) $2\frac{3}{10}$

(d) $2\frac{1}{10}$

$$\begin{array}{r} 14. \quad 4\frac{6}{10} \\ - 3\frac{4}{10} \\ \hline \end{array}$$

(a) 8

(b) $1\frac{2}{10}$

(c) $\frac{2}{10}$

(d) $1\frac{1}{2}$

$$\begin{array}{r} 15. \quad 4 \\ - 1\frac{1}{2} \\ \hline \end{array}$$

(a) $3\frac{1}{2}$

(b) $5\frac{1}{2}$

(c) $1\frac{3}{4}$

(d) $2\frac{1}{2}$

$$\begin{array}{r} 16. \quad 3\frac{1}{4} \\ + \frac{3}{4} \\ \hline \end{array}$$

(a) $4\frac{1}{4}$

(b) 5

(c) $2\frac{2}{4}$

(d) 4

$$\begin{array}{r} 17. \quad 3\frac{1}{2} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

(a) $5\frac{1}{2}$

(b) $5\frac{2}{4}$

(c) 6

(d) 7

$$\begin{array}{r} 18. \quad 7 \\ - 3\frac{1}{4} \\ \hline \end{array}$$

(a) $4\frac{1}{4}$

(b) $3\frac{1}{4}$

(c) $3\frac{3}{4}$

(d) $10\frac{1}{4}$

Choose the correct answer.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

1. Which is the standard form for three hundred seventy thousand two hundred eight?

(a) 307 208 (b) 370 208 (c) 370 280 (d) 208 370

2. Which is a true statement?

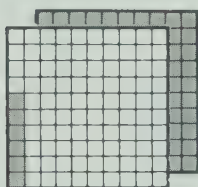
(a) $608\ 806 > 806\ 608$ (b) $608\ 806 < 806\ 608$

(c) $808\ 608 > 808\ 806$ (d) $608\ 806 < 608\ 608$

3. Which is 732 rounded to the nearest ten?

(a) 30 (b) 730 (c) 740 (d) 700

4. Which decimal is shown?



(a) 0.6 (b) 1.6 (c) 0.06 (d) 1.06

5. Which is the standard form for $500\ 000 + 60\ 000 + 700 + 5$?

(a) 560 705 (b) 7655 (c) 567 500 (d) 560 750

6. Which is a true statement?

(a) $110\ 001 > 101\ 110$ (b) $110\ 001 < 101\ 110$

(c) $101\ 011 > 110\ 101$ (d) $101\ 101 < 101\ 001$

7. Which list shows the numbers in order from greatest to least?

(a)

39 903
33 093
30 993
39 039

(b)

39 039
30 993
33 093
39 903

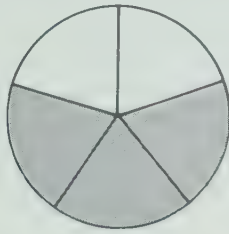
(c)

30 993
33 093
39 039
39 903

(d)

39 903
39 039
33 093
30 993

8. Which fraction shows how much is shaded?



(a) $\frac{2}{3}$

(b) $\frac{2}{5}$

(c) $\frac{3}{5}$

(d) $\frac{3}{2}$

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

9. Which is 3548 rounded to the nearest hundred?

(a) 3550

(b) 3500

(c) 4000

(d) 3600

10. Which is a true statement?

(a) $13.08 > 13.80$

(b) $13.08 > 31.80$

(c) $13.8 < 13.08$

(d) $13.08 < 13.80$

11. Which fraction shows how much is shaded?



(a) $\frac{6}{10}$

(b) $\frac{4}{6}$

(c) $\frac{6}{4}$

(d) $\frac{4}{10}$

12. Which is the standard form for $800\,000 + 2000 + 500 + 9$?

(a) 800 259

(b) 8259

(c) 820 590

(d) 802 509

13. Which is 8529 rounded to the nearest thousand?

(a) 8000

(b) 8500

(c) 8530

(d) 9000

14. Which fraction shows how much is shaded?



(a) $\frac{1}{3}$

(b) $\frac{1}{2}$

(c) $\frac{2}{3}$

(d) $\frac{2}{1}$

15. Which list shows the numbers in order from greatest to least?

(a) $\begin{array}{r} 30.89 \\ 38.9 \\ 38.09 \\ 39.8 \end{array}$

(b) $\begin{array}{r} 30.89 \\ 38.09 \\ 38.9 \\ 39.8 \end{array}$

(c) $\begin{array}{r} 39.8 \\ 38.09 \\ 38.9 \\ 30.89 \end{array}$

(d) $\begin{array}{r} 39.8 \\ 38.9 \\ 38.09 \\ 30.89 \end{array}$

16. $\begin{array}{r} 673 \\ + 256 \\ \hline \end{array}$

(a) 929

(b) 417

(c) 829

(d) 939

17. $\begin{array}{r} 882 \\ - 336 \\ \hline \end{array}$

(a) 1218

(b) 546

(c) 556

(d) 446

18. $5 \times 7 \times 3$

(a) 35

(b) 21

(c) 15

(d) 105

19. $4 \overline{)25}$

(a) 7

(b) 6 R1

(c) 6

(d) 7 R3

20. $\begin{array}{r} 3.49 \\ + 2.85 \\ \hline \end{array}$

(a) 0.64

(b) 5.24

(c) 6.24

(d) 6.34

21. $\begin{array}{r} 3.26 \\ - 1.54 \\ \hline \end{array}$

(a) 1.72

(b) 4.80

(c) 2.72

(d) 2.32

22. $\begin{array}{r} 4648 \\ + 2370 \\ \hline \end{array}$

(a) 6918

(b) 6018

(c) 7018

(d) 2278

23. $\begin{array}{r} 45 \\ \times 23 \\ \hline \end{array}$

(a) 1035

(b) 225

(c) 135

(d) 9135

24. $\begin{array}{r} 7319 \\ - 4455 \\ \hline \end{array}$

(a) 2864

(b) 11 774

(c) 3964

(d) 3864

25. $8 \overline{)936}$

(a) 117

(b) 100 R1

(c) 125 R4

(d) 7488

26. $\begin{array}{r} 59.8 \\ + 32.1 \\ \hline \end{array}$

(a) 81.9

(b) 91.9

(c) 27.7

(d) 9.19

27. $\begin{array}{r} 320.7 \\ - 41.3 \\ \hline \end{array}$

(a) 389.4

(b) 279.4

(c) 362.1

(d) 321.4

28. $\begin{array}{r} 458 \\ 1609 \\ + 722 \\ \hline \end{array}$

(a) 2789

(b) 1779

(c) 2779

(d) 2167

29. $7 \overline{)269}$

(a) 39 R4

(b) 1883

(c) 38 R3

(d) 41

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____

29. _____

30.
$$\begin{array}{r} 387 \\ \times 46 \\ \hline \end{array}$$
 (a) 3870 (b) 157 122 (c) 2322 (d) 17 802
31.
$$\begin{array}{r} \$8080 \\ - \quad 99 \\ \hline \end{array}$$
 (a) \$8179 (b) \$7099 (c) \$7981 (d) \$8091
32.
$$\begin{array}{r} \$38.56 \\ + \quad 6.66 \\ \hline \end{array}$$
 (a) \$45.22 (b) \$34.12 (c) \$31.90 (d) \$44.22
33.
$$\begin{array}{r} \$50.03 \\ - \quad 2.64 \\ \hline \end{array}$$
 (a) \$58.49 (b) \$47.39 (c) \$52.67 (d) \$52.69
34. 3000 m = _____ km
(a) 0.3000 (b) 3.000 (c) 30 (d) 300
35. 30 L = _____ mL
(a) 0.003 (b) 0.03 (c) 3000 (d) 30 000
36. 520 g = _____ kg
(a) 0.520 (b) 5.20 (c) 52 000 (d) 520 000
37. 3 L 235 mL = _____ mL
(a) 3.235 (b) 3235 (c) 705 (d) 30 235
38. 4 m = _____ cm
(a) 0.04 (b) 0.4 (c) 40 (d) 400
39. 2 kg 8 g = _____ g
(a) 16 (b) 28 (c) 208 (d) 2008

Which is the best estimate for each measurement?

40. the length of a bathtub
(a) 2 cm (b) 1 m (c) 2 m (d) 1 km
41. the mass of a raisin
(a) 0.25 g (b) 100 g (c) 2 kg (d) 0.25 kg
42. the amount of juice a jug will hold
(a) 1 mL (b) 5 mL (c) 1 L (d) 50 L

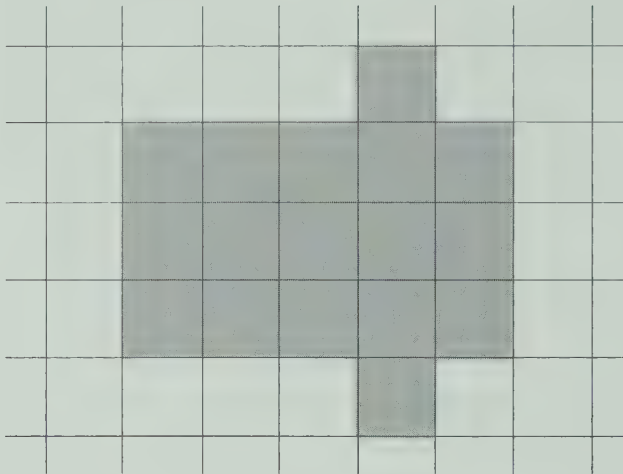


43. Which is the area of this shape?

43. _____

44. _____

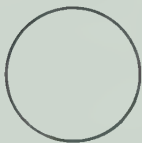
45. _____



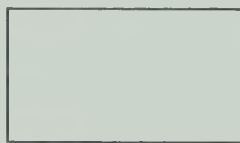
- (a) 14 cm^2 (b) 15 cm^2 (c) 16 cm^2 (d) 17 cm^2

44. Which shows a square?

(a)



(b)



(c)



(d)



45. Which is a line of symmetry?

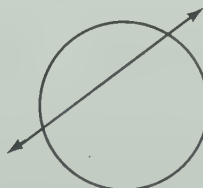
(a)



(b)



(c)



(d)



46. Which shows a hexagon?

46. _____

(a)



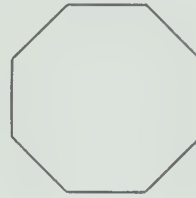
(b)



(c)



(d)



47. _____

48. _____

47. Which is the area of this shape?



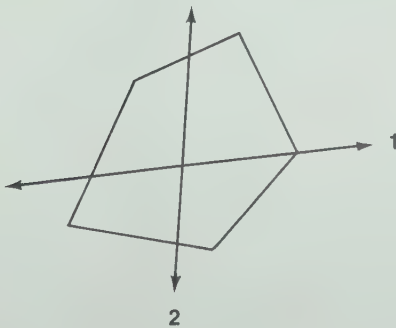
(a) 12 cm^2

(b) 15 cm^2

(c) 16 cm^2

(d) 20 cm^2

48. Which is a line of symmetry?

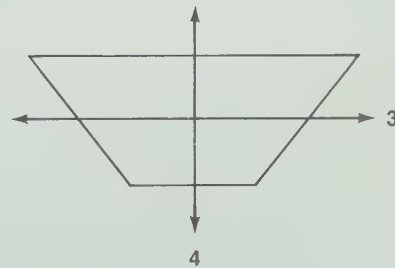


(a) 1

(b) 2

(c) 3

(d) 4



49. Which shows an octagon?

(a)



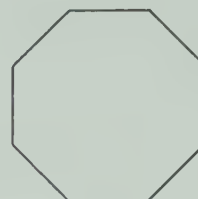
(b)



(c)



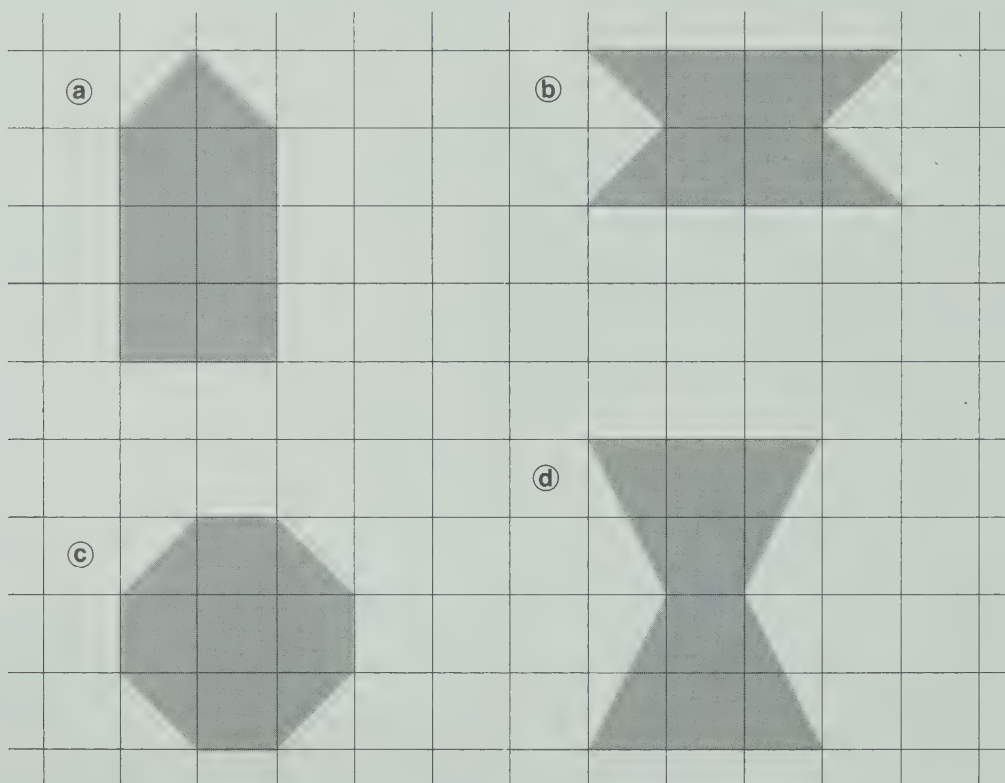
(d)



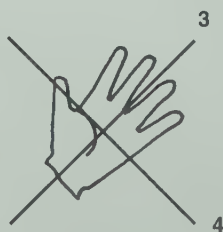
49. _____

50. _____

51. _____

50. Which shape has an area of 8 cm^2 ?

51. Which is a line of symmetry?



(a) 1

(b) 2

(c) 3

(d) 4

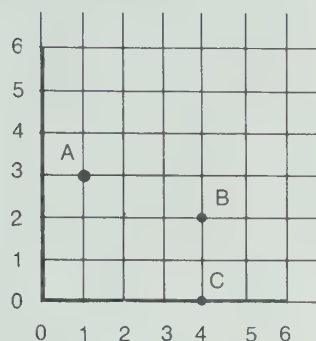
Use this grid for exercises 52 to 54.

52. _____

53. _____

54. _____

55. _____



52. Which is the ordered pair that names point A?

- (a) 3 (b) 1 (c) (1,3) (d) (3,1)

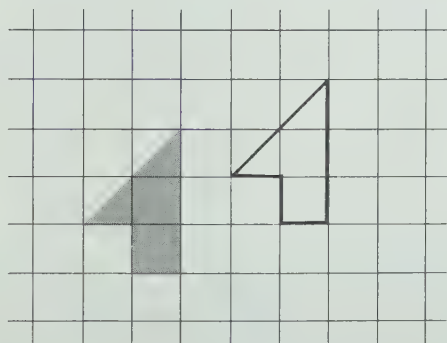
53. Which is the ordered pair that names point B?

- (a) 4 (b) 2 (c) (2,4) (d) (4,2)

54. Which is the ordered pair that names point C?

- (a) 4 (b) 0 (c) (0,4) (d) (4,0)

55. Which do you do to make the gray shape fit the white shape?

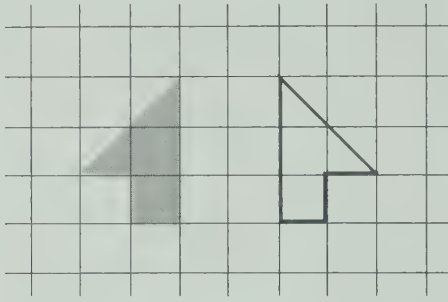


- (a) flip (b) slide (c) turn (d) slip

56.

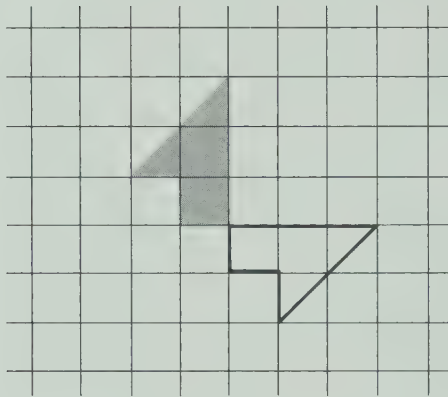
56. _____

57. _____



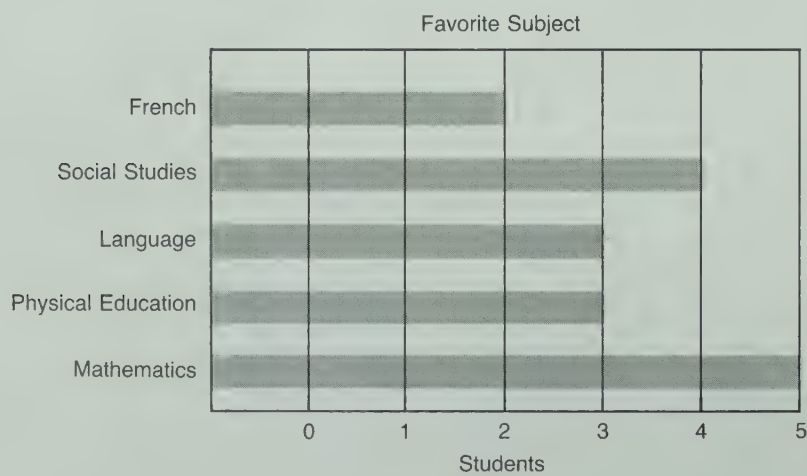
- Ⓐ flip Ⓑ slide Ⓒ turn Ⓓ slip

57.



- Ⓐ flip Ⓑ slide Ⓒ turn Ⓓ slip

Use this graph for exercises 58 to 60.



58. Which subject is the favorite of the most students?
(a) Social Studies (b) Language
(c) Physical Education (d) Mathematics
59. Which subjects are the favorite of the same number of students?
(a) Social Studies and Mathematics (b) Language and Physical Education
(c) French and Language (d) none
60. How many more students like Mathematics more than French?
(a) 0 (b) 1 (c) 2 (d) 3
61. The restaurant had 279 customers on Friday night, 312 customers on Saturday night, and 208 on Sunday night. How many customers were there on the three nights?
(a) 591 (b) 487 (c) 799 (d) 520
62. The shoe store sold 1338 pairs of shoes. 475 pairs of shoes were running shoes. How many pairs were sold that were not running shoes?
(a) 1813 (b) 863 (c) 983 (d) 475
63. A box of cookies contains 36 cookies. How many cookies are in 6 boxes?
(a) 42 (b) 30 (c) 6 (d) 216
64. 6 cans fit into one carton. How many cartons are filled by 30 cans?
(a) 36 (b) 24 (c) 5 (d) 180
65. Yun-Mi scored 112 points in 7 games. What was her average number of points for each game?
(a) 784 (b) 16 (c) 119 (d) 105
66. It is 905 km to grandmother's house. The first day we travelled 648 km. How much farther do we have to go?
(a) 257 (b) 1553 (c) 1543 (d) 367

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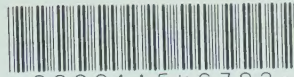
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